

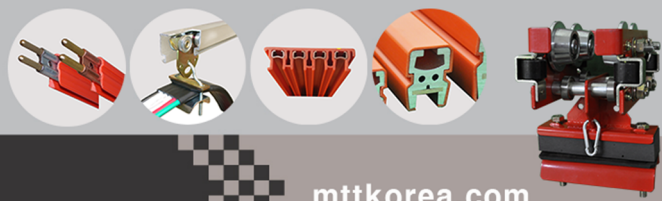
명신티로리바 MTT HÀN QUỐC

Trolley Bar - Ray Điện



HYUNDAI HOIST





Greeting

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안녕하십니까?

MTT KOREA(Myung Trolley Tech) 입니다.

MTT KOREA는 30년 전통의 CRANE 전장품 전문기업 명신TROLLEY BAR와

수출입전문 K&T(주)의 베트남 자회사 입니다.

한국의 HOIST 전문기업 HYUNDAI HOIST(주),POWER RAIL 전문기업 LEE YOUNG(주),
HOIST CABLE 제조기업 DAE DUK(주) 등 다수의 한국기업과의 대리점 계약을 맺고 있으며
100% 한국산 제품을 수입하여 CRANE 제작업체 및 운반하역설비가 필요한 업체와
거래하고 있습니다.

MTT KOREA는 한국에서의 오랜 축적된 기술과 경험을
바탕으로 기술상담 및 품질관리,정확한 납기,최고의 판매서비스를
통한 사후A/S 까지 최선을 다 하겠습니다.

감사합니다.

Xin chào !

Chào mừng đến với trang chủ MTT KOREA.

MTT KOREA là công ty con tại Việt Nam của Myung Shin TROLLEY BAR Co., Ltd.,
và K&T Co., Ltd., Chuyên xuất, nhập khẩu về thiết bị điện, cầu trục với
truyền thống 30 năm.

HYUNDAI HOIST chuyên về palang Hàn Quốc

LEE YOUNG Ind.,Co.Ltd chuyên ray Power rail

DAEDUK chuyên sản xuất các dây điện dùng cho palang...

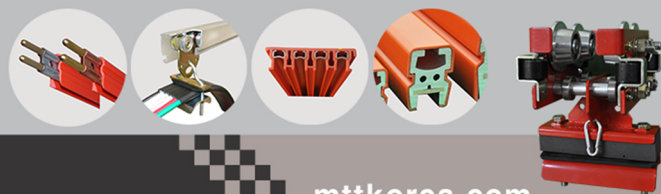
Chúng tôi có hợp đồng đại lý với các công ty Hàn Quốc và nhập khẩu 100%
sản phẩm từ Hàn Quốc.

Chúng tôi đang giao dịch với các nhà sản xuất cầu trục và các công ty cần
vận chuyển, bốc, xếp, dỡ thiết bị tại Việt Nam.

MTT sẽ cố gắng hết sức để cung cấp dịch vụ chăm sóc khách hàng thông qua tư vấn
và kiểm soát chất lượng, giao hàng chính xác và dịch vụ bán hàng tốt nhất dựa trên
công nghệ tích lũy và kinh nghiệm tại Hàn Quốc.

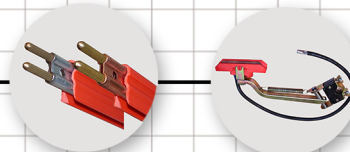


KOREA MTT COMPANY LIMITED



Trolley Bar(Myung Shin) 4p-15p

1



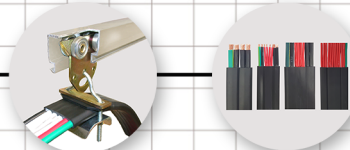
Compact Bar 16p-19p

2



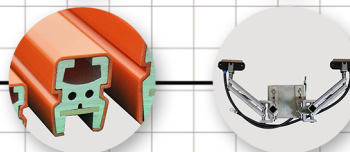
Track & Flat Cable 20p-29p

3



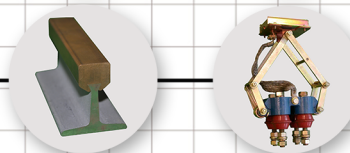
Heavy bar 30p-41p

4



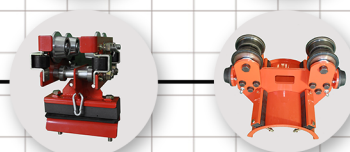
Heavy Rail Bar 42p-49p

5



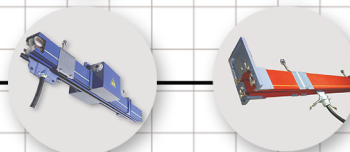
Trolley Hanger 50p-61p

6



Enclosed conductor 62p-65p
(LEEYOUNG)

7



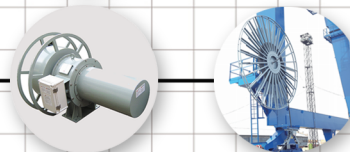
HYUNDAI HOIST 66p-67p

8



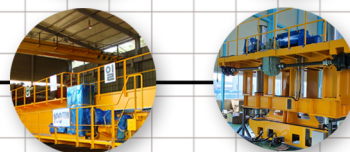
KOREEL-Cable Reel 68p-69p

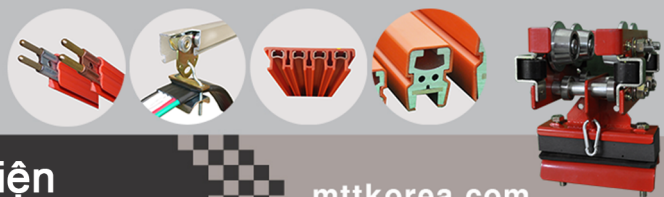
9



SEIL-CRANE 70p-71p

10

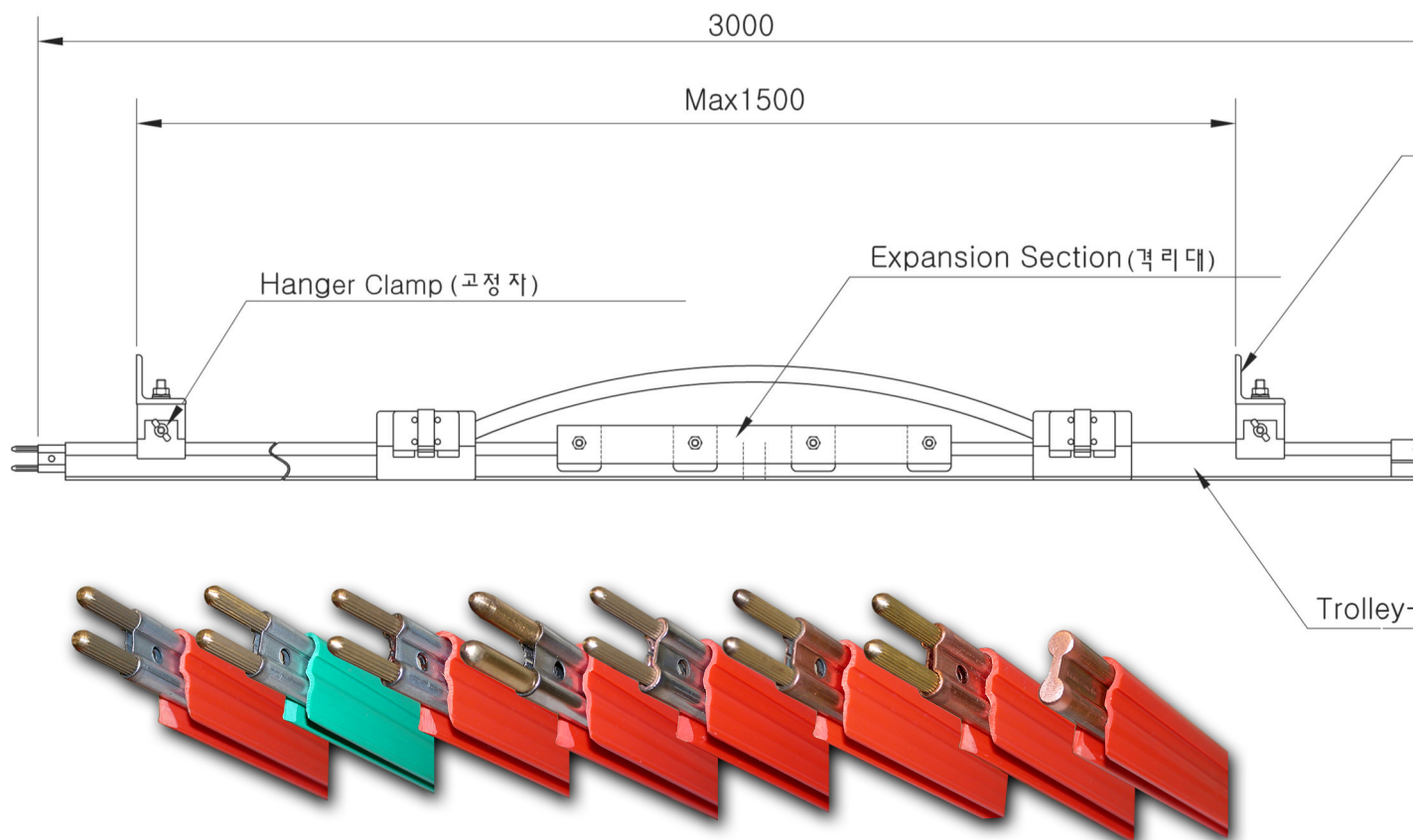


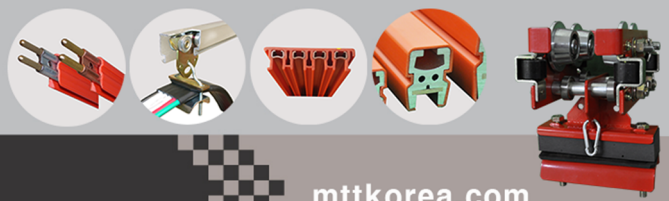


TROLLEY-BAR 구성도 Ray Điện

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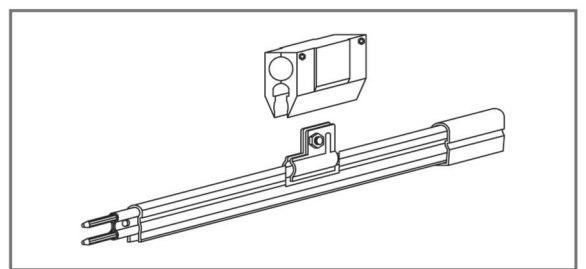
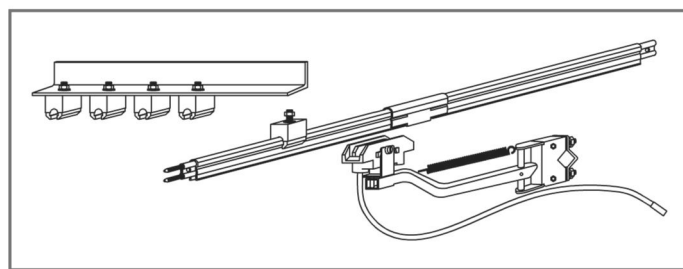
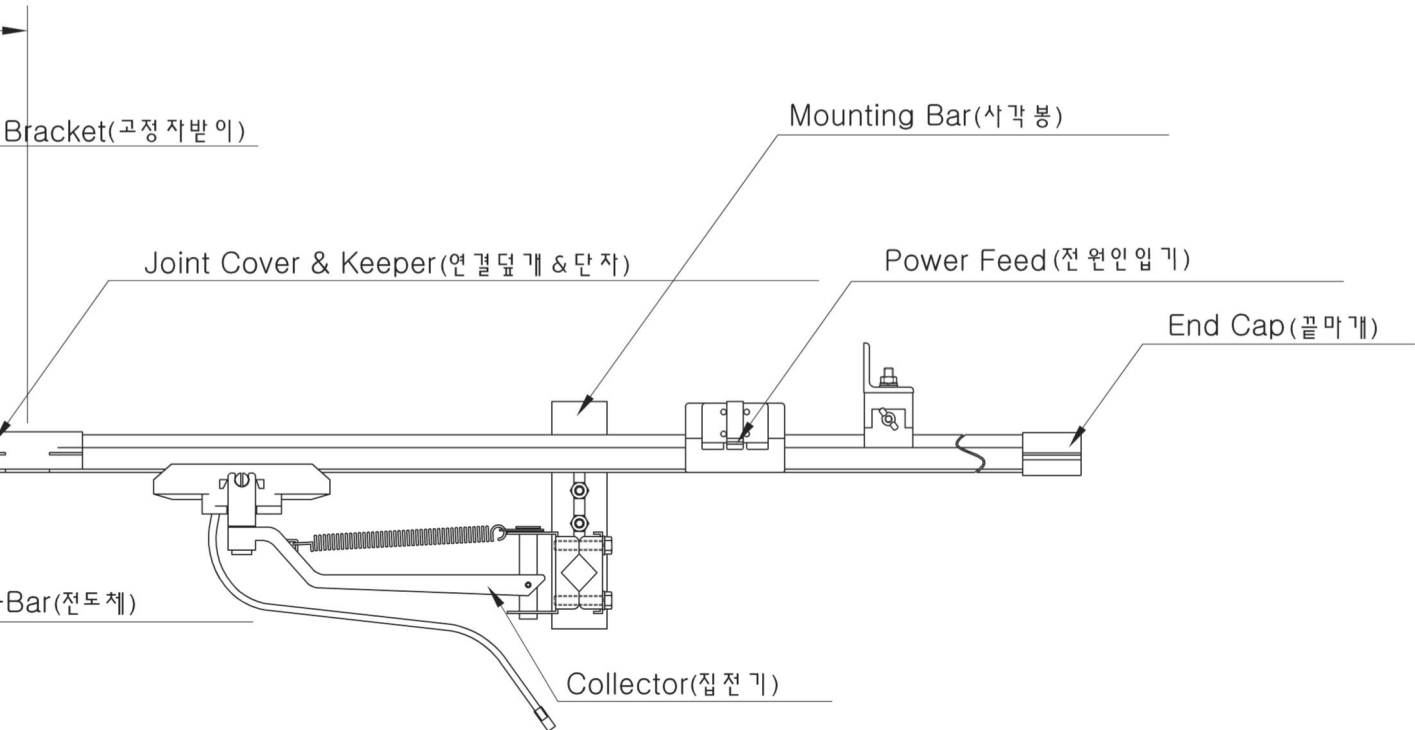
· Trolley-bar의 구성도 (Ray Điện)



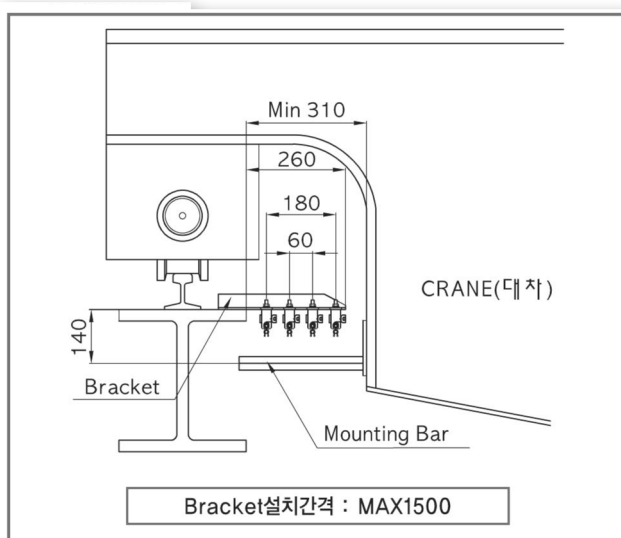


TROLLEY-BAR 구성도

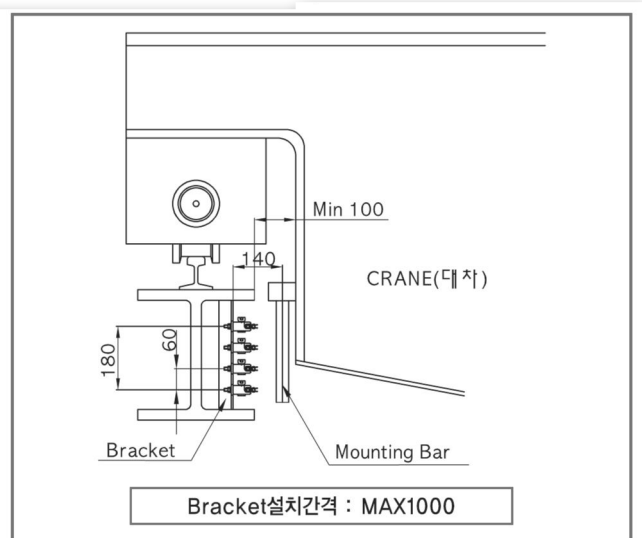
명신 Trolley-Bar는 가장 보편화된 제품으로서 전기적 안전성과 시공의 간편성 및 유지보수가 손쉬운 특성을 가지고 있으며 가격이 저렴하여 주로 Hoist, 천정 Crane 주행 전원공급용으로 사용됩니다.

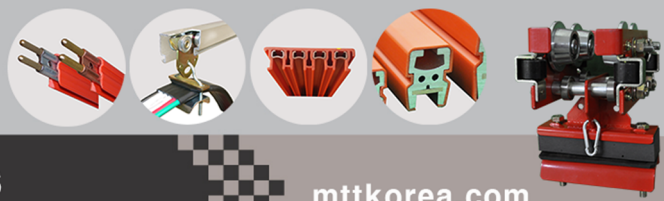


■ Bracket 표준설치도



■ Bracket 측면설치도



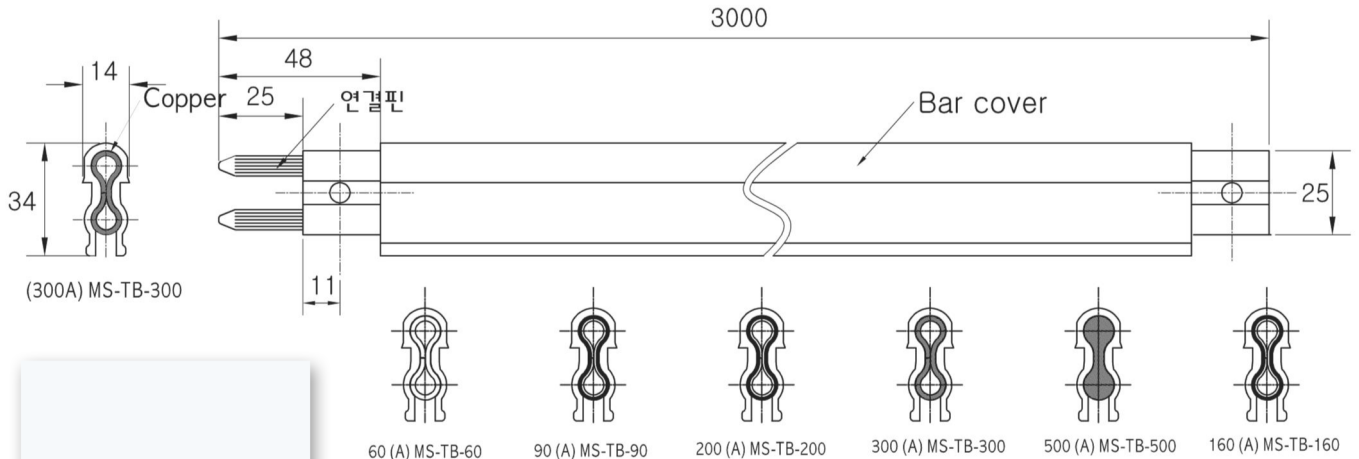


TROLLEY-BAR Accessories

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· Trolley-bar RAY ĐIỆN AN TOÀN

절연체로 도선을 일부 피복하여 이동하면서도 집전이 가능하도록 고안된 Conductor Bar이며 절연물질의 내열성은 70℃, 100℃ 두종류가 있음. 표준길이는 3M이며 주문에 따라 3M이상도 제작 가능함.



■ Trolley-BAR의 규격 및 사양 THÔNG SỐ KỸ THUẬT

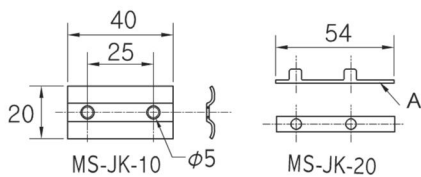
허용전류 (A)	길이 (m/m)	중량 (g)	제품번호 (일반형)	제품번호 (특수형)	재질
60 (A)	3,000	2,200	MS-TB-60	MS-KTB-60	Galvanized steel
60 (A)	3,000	2,400	MS-TB(s)-60	MS-KTB(s)-60	SUS 100%
90 (A)	3,000	2,800	MS-TB-90	MS-KTB-90	Gal.steel(85%) Copper(15%)
160 (A)	3,000	3,000	MS-TB-160	MS-KTB-160	Copper(50%) SUS(50%)
200 (A)	3,000	3,000	MS-TB-200	MS-KTB-200	Gal.steel(50%) Copper(50%)
300 (A)	3,000	3,200	MS-TB-300	MS-KTB-300	Copper(100%)
500 (A)	3,000	5,500	MS-TB-500	MS-KTB-500	Copper(Solid)

* Trolley-Bar 내용열은 폴리카보나이트 재질로 고열에 우수함
* 일반형 Cover 재질은 PVC

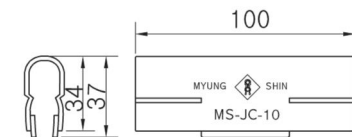
· Joint Keeper / Joint Cover NỐI RAY / NẮP CHỤP NỐI RAY

Trolley-Bar 구간을 서로 연결시키고 연결부분을 절연, 보호하는 부품

60~300A용 Joint Keeper

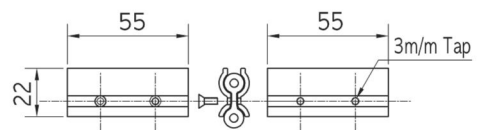


품명	제품번호	재질
Joint Keeper	MS-JK-10	Copper

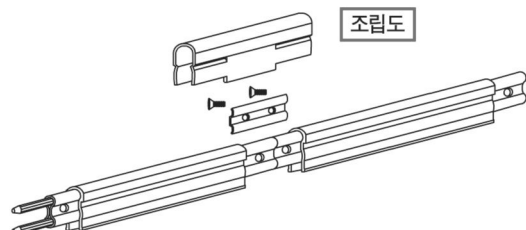
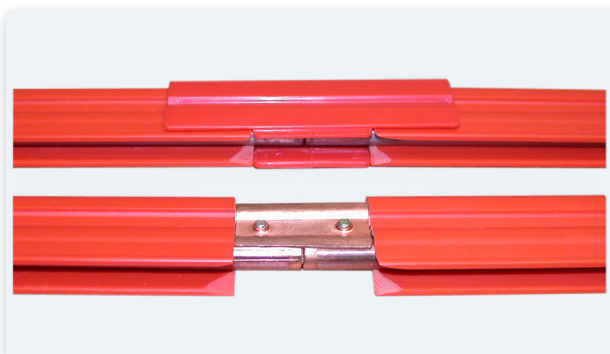


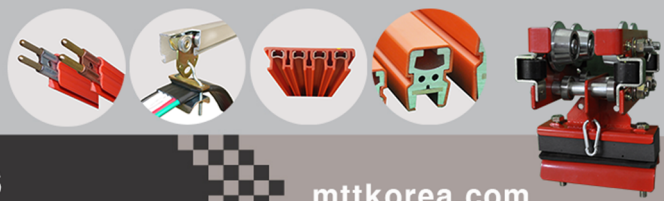
품명	제품번호	재질
Joint Cover	MS-JC-10	PVC

500A용 Joint Keeper



품명	제품번호	재질
Joint Keeper	MS-JK-502	Copper





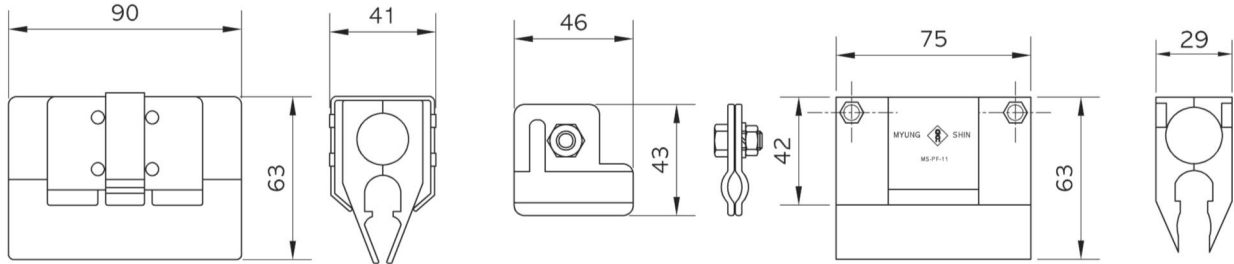
TROLLEY-BAR Accessories

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· Power Feed 규격 및 사양 ĐẦU NỐI NGUỒN

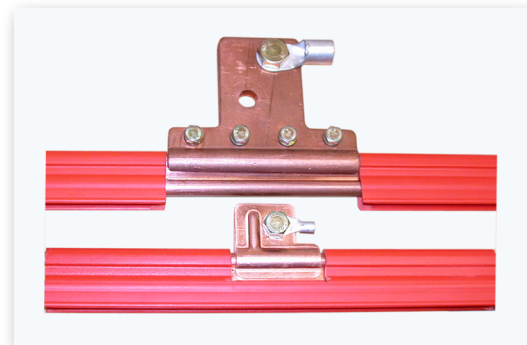
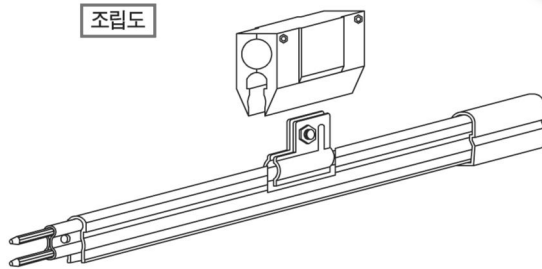
▶ Power Feed (전원인입기)

도선의 길이가 길어지면 전압강하현상이 발생되며 이를 보완하기 위하여 전원인입기는 가능한 전도선의 중간지점에 설치하여야 하고 전압강하율(Rate of Voltage Drop)이 3%이상 일때에는 별개의 전원인입기를 추가 한다.



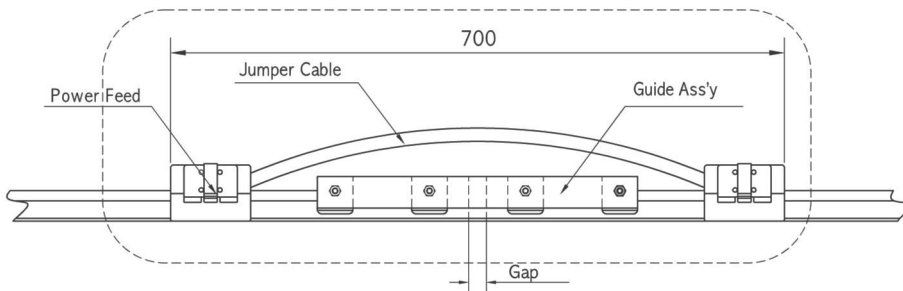
품 명	제품번호	재 질
Power Feed	MS-PF-10	Copper/PVC

품 명	제품번호	재 질
Power Feed	MS-PF-11	Copper/PVC



· Expansion Sections 규격 및 사양 CĂNG RAY ĐIỆN

- 격리대는 설치시 주위 온도에 따라 팽창을 흡수하기 위하여 띄우는 격간(Setting Gap)이 달라집니다.
- 격리대는 최소 50M(60A~90A)마다 포설해야하며 200A 이상 고용량에서는 30M 마다 포설해야 합니다.

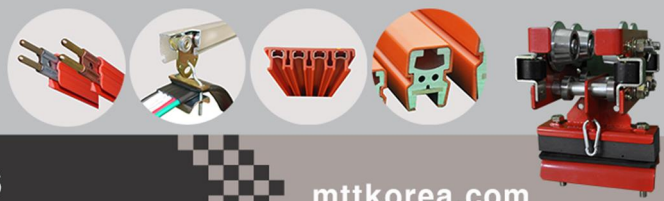


격리대 간격표	
설치시 주의온도	Gap Setting
10℃	13m/m
20℃	19m/m
30℃	25m/m

■ Trolley-Bar의 규격 및 사양

품 명	허용전류 (A)	길이 (m/m)	제품번호
Expansion Section(격리대)	60 (A)	3,000	MS-ES-60
Expansion Section(격리대)	90 (A)	3,000	MS-ES-90
Expansion Section(격리대)	160 (A)	3,000	MS-ES-160
Expansion Section(격리대)	200 (A)	3,000	MS-ES-200
Expansion Section(격리대)	300 (A)	3,000	MS-ES-300
Expansion Section(격리대)	500 (A)	3,000	MS-ES-500



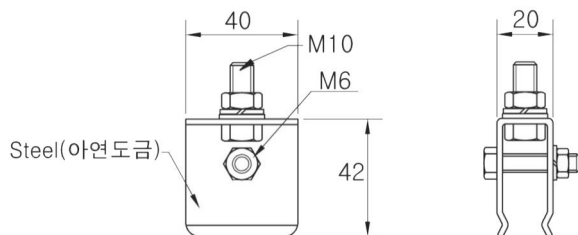


TROLLEY-BAR Accessories

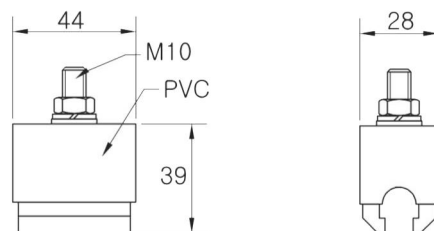
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· Hanger Clamp 규격 및 사양 KEP RAY

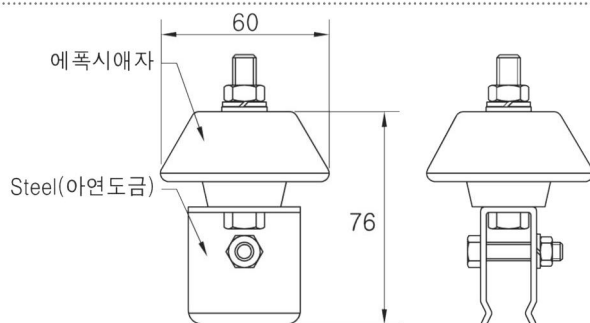
Trolley-Bar를 측면이나 천정에 고정시키기 위한 고정자 Bracket과 조립하여 고정 (옥외나 해안지역은 애자부착고정자 사용)



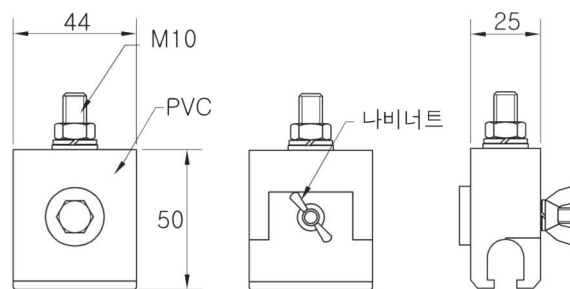
품명	제품번호	재질
Hanger Clamp	MS-HC-S-10	Steel (아연도금)



품명	제품번호	재질
Hanger Clamp	MS-HC-P-20	PVC



품명	제품번호	재질
Hanger Clamp	MS-HC-I-30	에폭시아자



품명	제품번호	재질
Hanger Clamp	MS-HC-P-40	PVC



△ 옥내용 (철)



△ 옥내, 옥외용 (P.V.C)



△ 나비너트형 (P.V.C)



△ 애자부착형 (옥외, 분진지역)

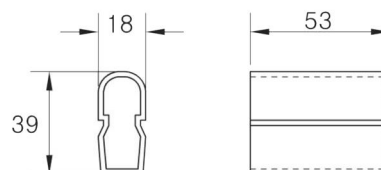
· 연결공구 THANH CÔNG CỤ

Bar와 Bar를 연결할때 필요한 공구



· End Cap NẮP CHỤP CUỐI RAY

Trolley-Bar의 끝부분에 끼우는 안전용 절연마개



품명	제품번호
End Cap	MS-EC-10

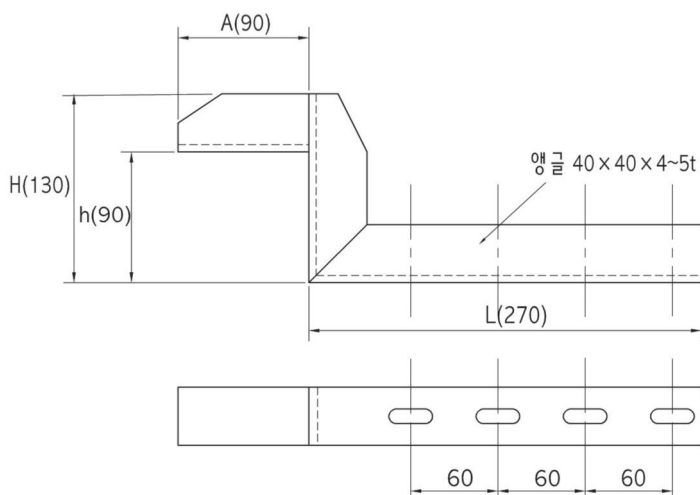
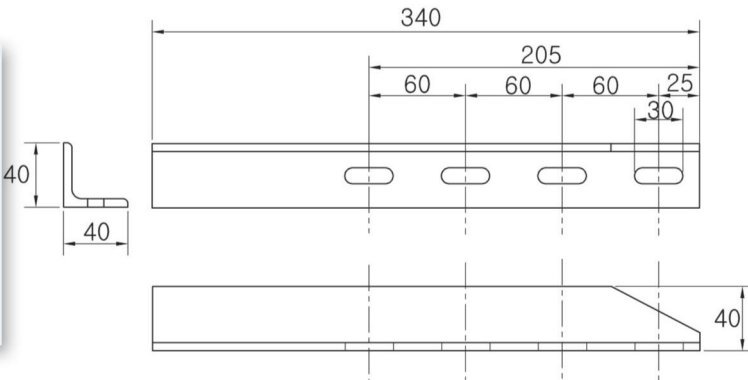
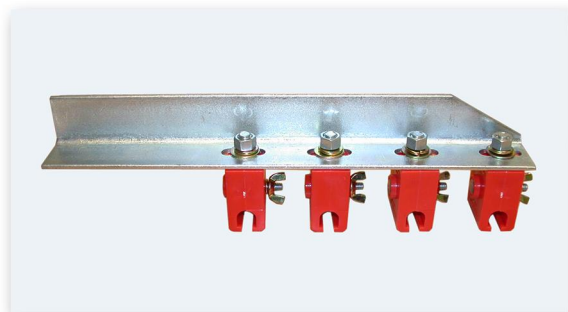
TROLLEY-BAR Accessories

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· Bracket 규격 및 사양

GIÁ ĐỖ RAY

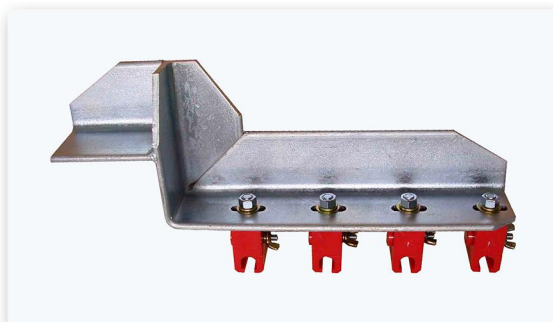
Bracket 설치방법은 표준, 측면(수직, 수평) 설치방법이 있다. (5page 참조)



품명	제품번호	재질
Bracket	MS-BR-4P-340	ㄱ형강(아연도금)
Bracket	MS-BR-6P-450	ㄱ형강(아연도금)
Bracket	MS-BR-7P-510	ㄱ형강(아연도금)

※ 위의 제품은 일반형임

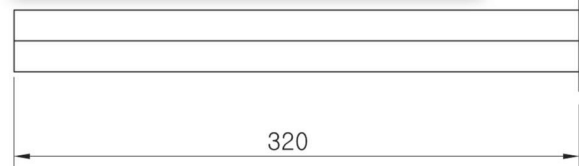
※ Bracket은 현장에 따라 특수제작 가능



· Mounting Bar 규격 및 사양

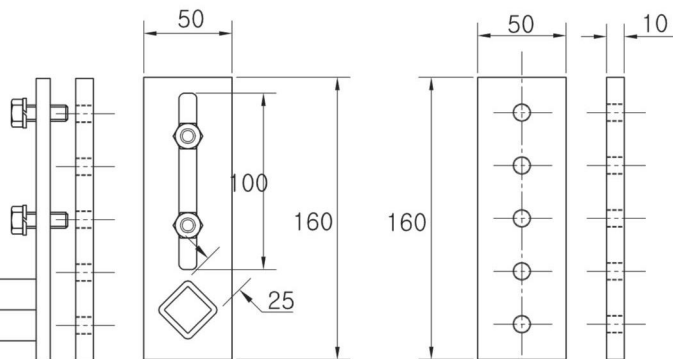
THANH CỐ ĐỊNH

집전기(Collector)와 대차(Hoist) 본체와 조립하여 집전을 용이하게 할 수 있는 Guide

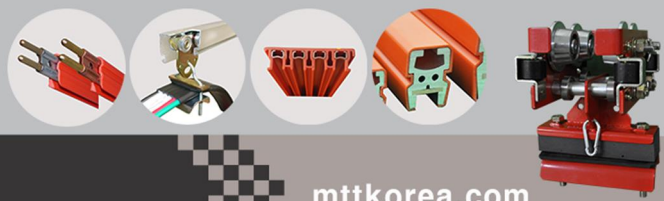


M-Bar

M-Bar Base



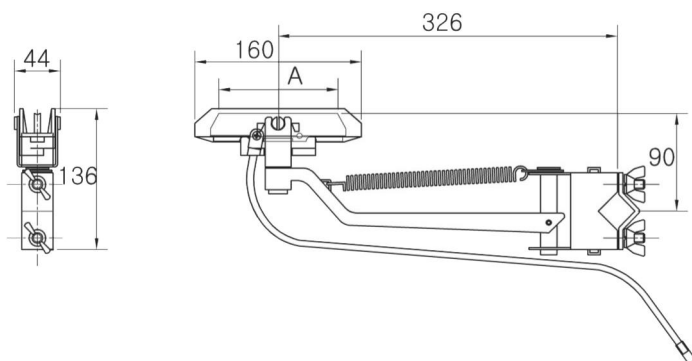
품명	제품번호
M-Bar	MS-MB-L형-320형
M-Bar	MS-MB-L형-500형



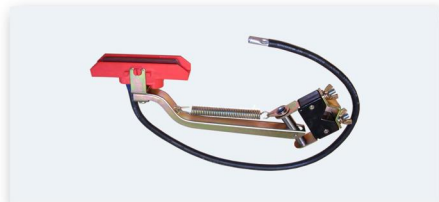
TROLLEY BAR Collector

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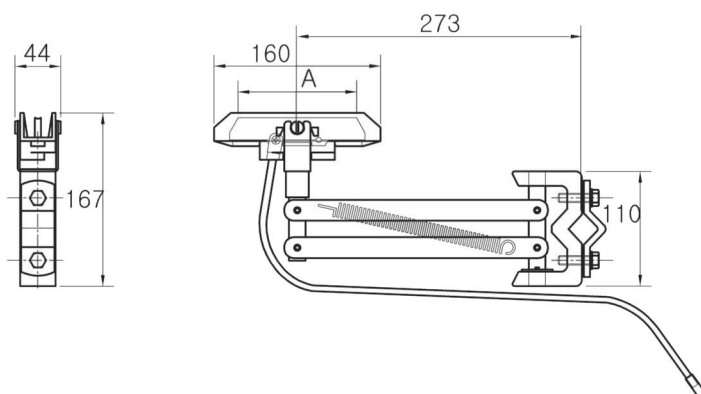
· Collector 일반형 CHỖI TIẾP ĐIỆN



품명	제품번호	용도 / ARM재질	A(m/m)
60 (A)	MS-CL-001-60	직진용 / Steel	100
90 (A)	MS-CL-002-90	직진용 / Steel	110
160 (A)	MS-CL-003-160	직진용 / Steel	120
200 (A)	MS-CL-004-200	직진용 / Steel	130



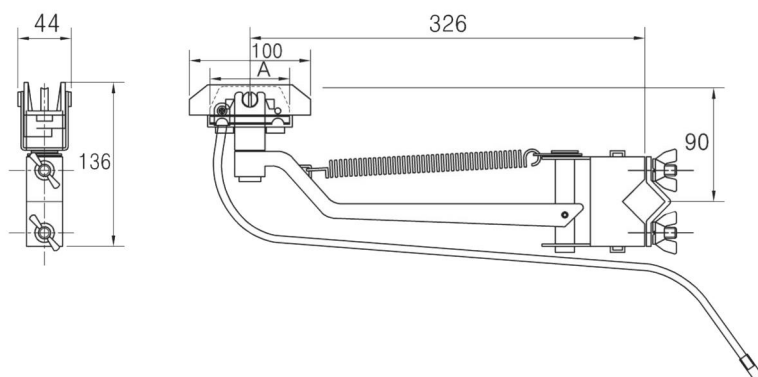
· Collector 알루미늄타입 CHỖI TIẾP ĐIỆN - ALUMINUM



품명	제품번호	용도 / ARM재질	A(m/m)
60 (A)	MS-CLA-005-60	직진용 / Aluminum	100
90 (A)	MS-CLA-006-90	직진용 / Aluminum	110
160 (A)	MS-CLA-007-160	직진용 / Aluminum	120
200 (A)	MS-CLA-008-200	직진용 / Aluminum	130



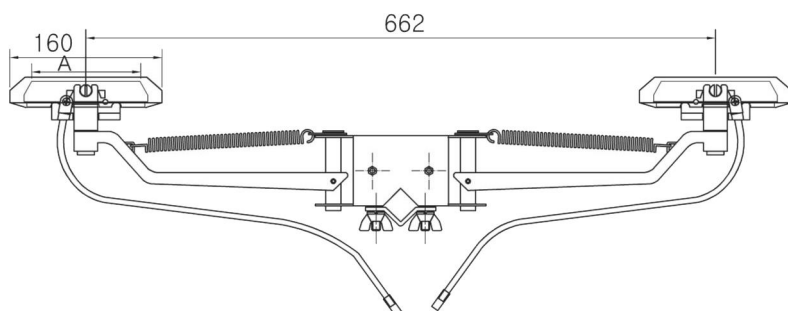
· Collector 회전형 CHỖI TIẾP ĐIỆN ROUND



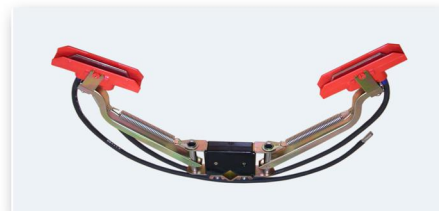
품명	제품번호	용도 / ARM재질	A(m/m)
30 (A)	MS-CL(H)-30	회전용 / Steel	66

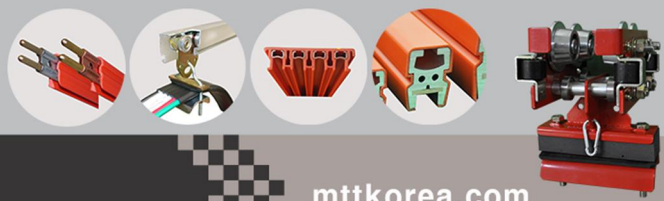


· Collector - Tandem 일반형



품명	제품번호	용도 / ARM재질	A(m/m)
120 (A)	MS-CL(TS)-009-120	직진용 / Aluminum	100
180 (A)	MS-CL(TS)-010-180	직진용 / Aluminum	110
320 (A)	MS-CL(TS)-011-320	직진용 / Aluminum	120
400 (A)	MS-CL(TS)-012-400	직진용 / Aluminum	130

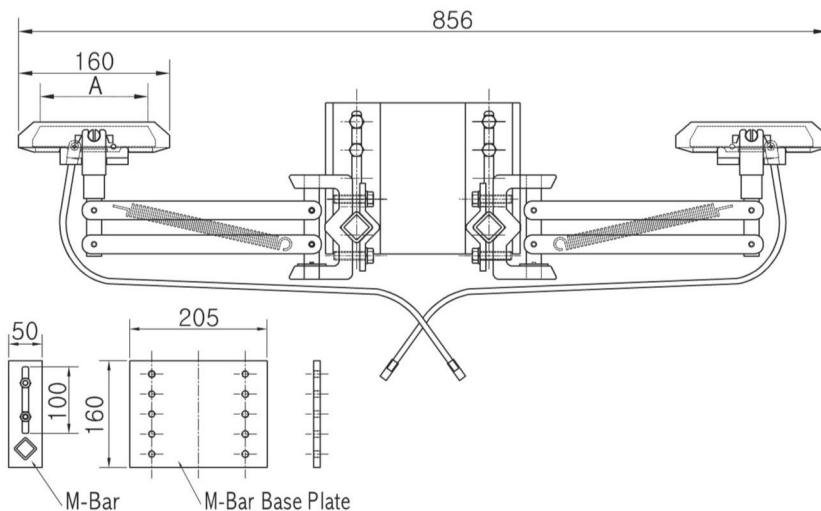




TROLLEY BAR Collector

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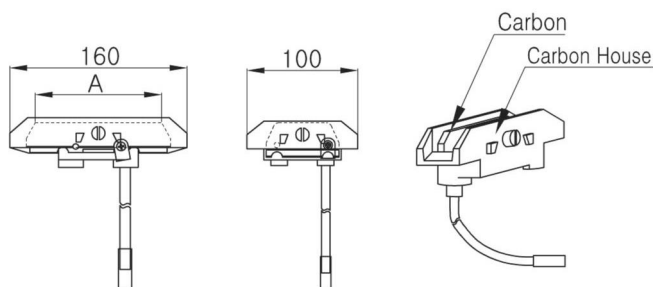
· Collector - Tandem 알루미늄타입



품명	제품번호	용도 / ARM재질	A(m/m)
120 (A)	MS-CL(TA)-013-120	직진용 / Aluminum	100
180 (A)	MS-CL(TA)-014-180	직진용 / Aluminum	110
320 (A)	MS-CL(TA)-015-320	직진용 / Aluminum	120
400 (A)	MS-CL(TA)-016-400	직진용 / Aluminum	130



· Carbon Head

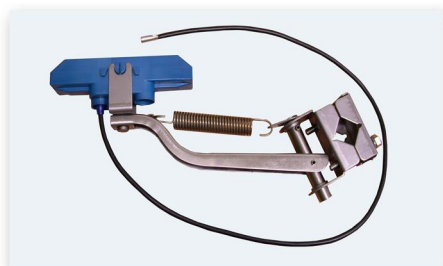
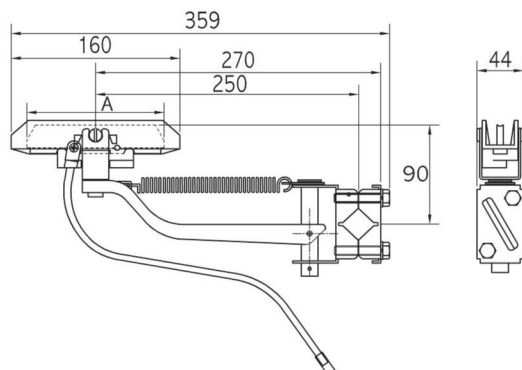


품명	제품번호	용도 / ARM재질	A(m/m)
30 (A)	MS-CBH-001-30	직진용 / Aluminum	66
60 (A)	MS-CBH-002-60	직진용 / Aluminum	100
90 (A)	MS-CBH-003-90	직진용 / Aluminum	110
160 (A)	MS-CBH-004-160	직진용 / Aluminum	120
200 (A)	MS-CBH-005-200	직진용 / Aluminum	130



▶ Collector 란?
이동대차 & Hoist에 부착하여 Trolley-Bar Main-Unit에서
기기로 급전하는 장치(부품)

· Collector 특수사양



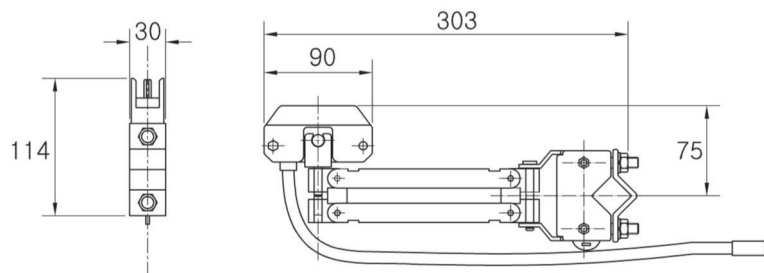
품명	제품번호	용도 / ARM재질	A(m/m)
100 (A)	MS-CL-MSD100	직진용 / Steel & SUS	130

TROLLEY-BAR Accessories

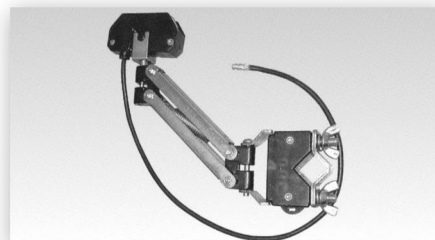
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· Collector Compact형

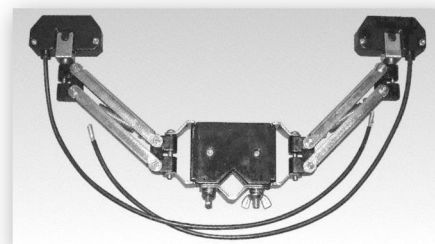
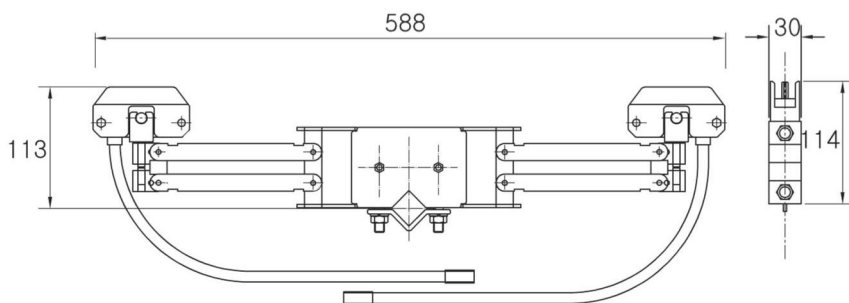
이동대차 & Hoist에 부착하여 Trolley-Bar Main-Unit에서 기기로 급전하는 장치(부품)



용량	제품번호	용도 / ARM재질
60 (A)	MS-CL-100-60	직진용 / Steel

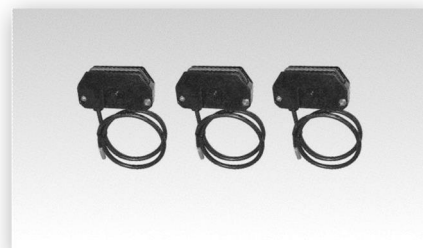
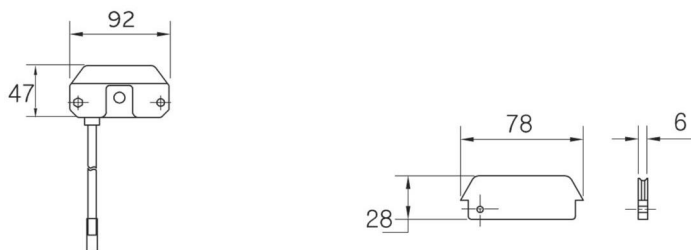


· Collector Compact형 Tandem 타입



용량	제품번호	용도 / ARM재질
120 (A)	MS-CL(TS)-100-120	직진용 / Steel

· Carbon & Carbon Head



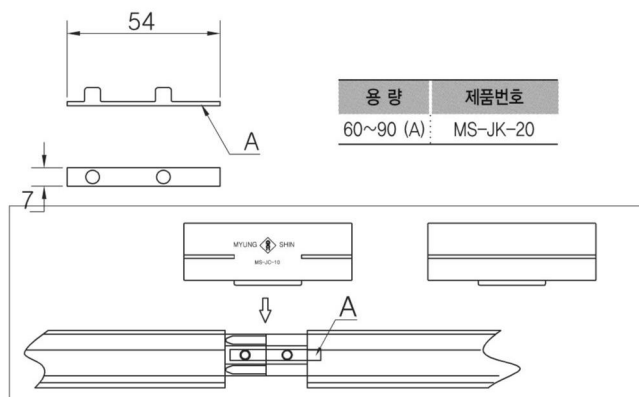
용량	제품번호	용도 / ARM재질
60 (A)	MS-CBH-100-60	직진 및 회전용 / Steel

용량	제품번호
60 (A)	MS-CB-100-60

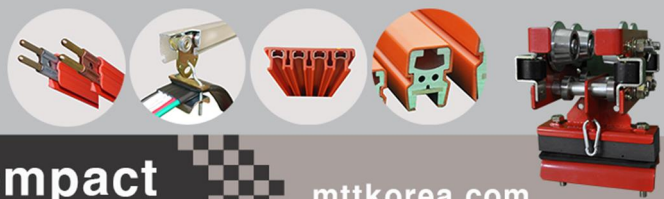
· Joint Keeper



그림과 같이 A쪽을 먼저 삽입한 후 Joint Cover의 평평한 면이 단자쪽을 향하도록 덮는다.



용량	제품번호
60~90 (A)	MS-JK-20

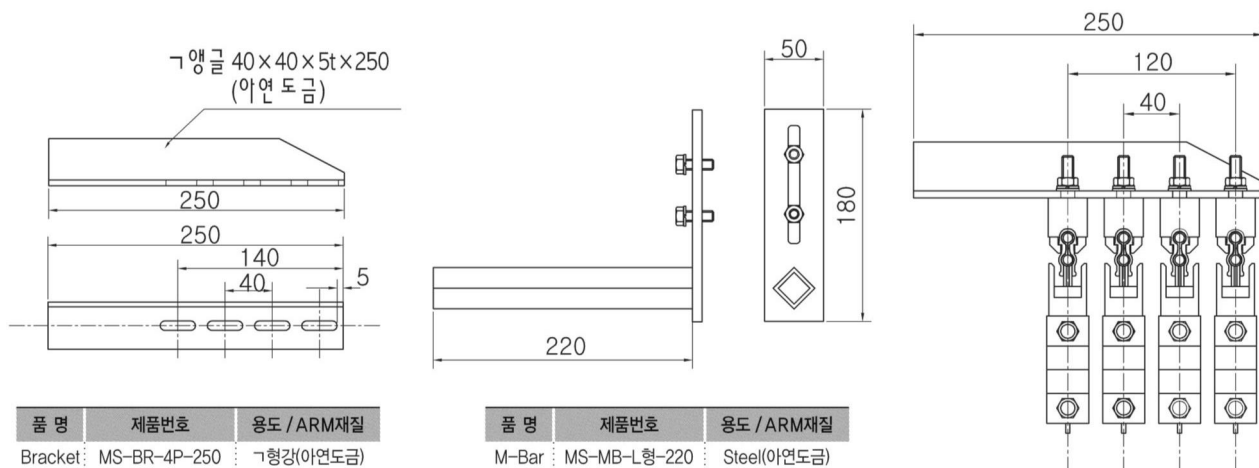


TROLLEY-BAR Collector compact

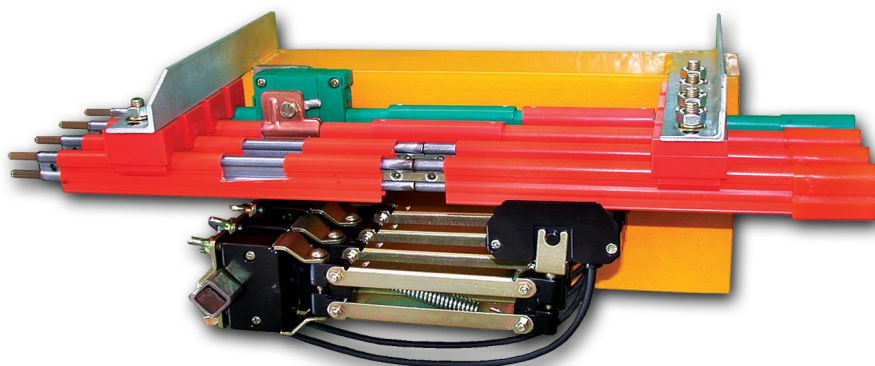
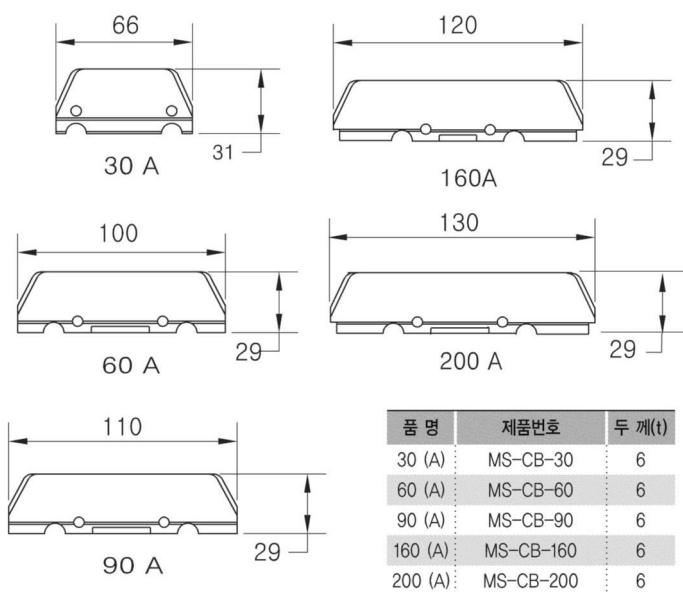
mttkorea.com

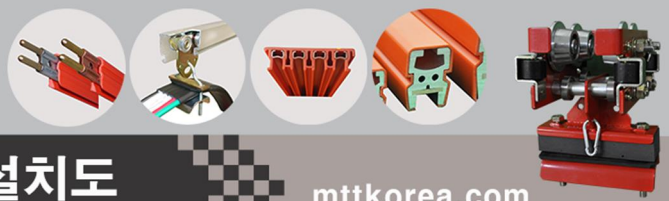
· Bracket & M-Bar

기존 Trolley-Bar의 선간간격을 대폭 (Min 40mm) 줄여 협소한 공간이나 Compact한 장소에 적합하다.



· Carbon

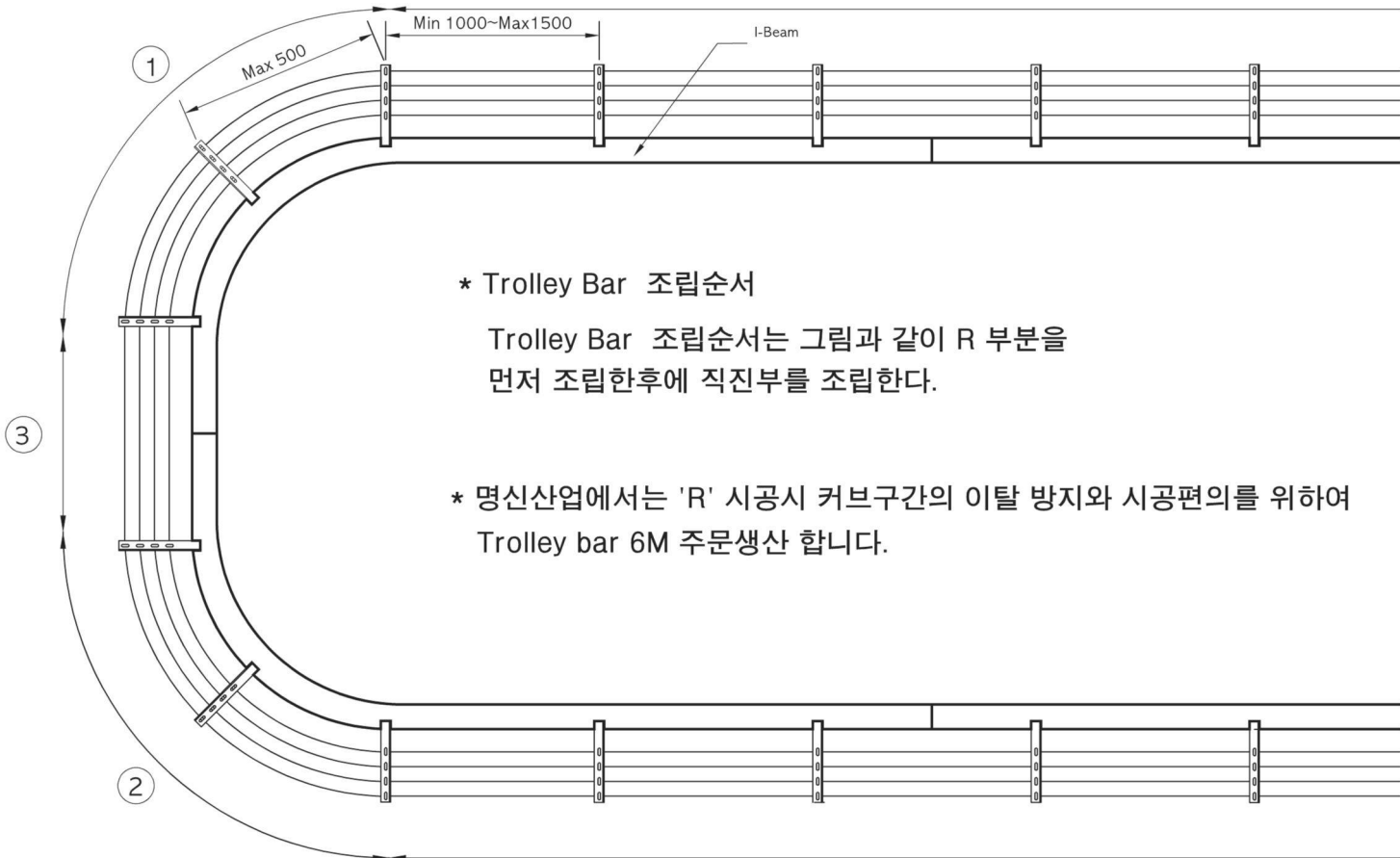




TROLLEY-BAR Mono-Rail 설치도

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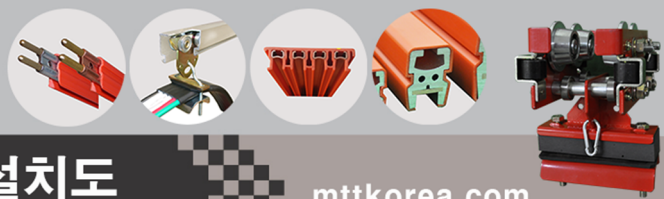
Trolley-Bar



* Trolley Bar 조립순서

Trolley Bar 조립순서는 그림과 같이 R 부분을 먼저 조립한후에 직진부를 조립한다.

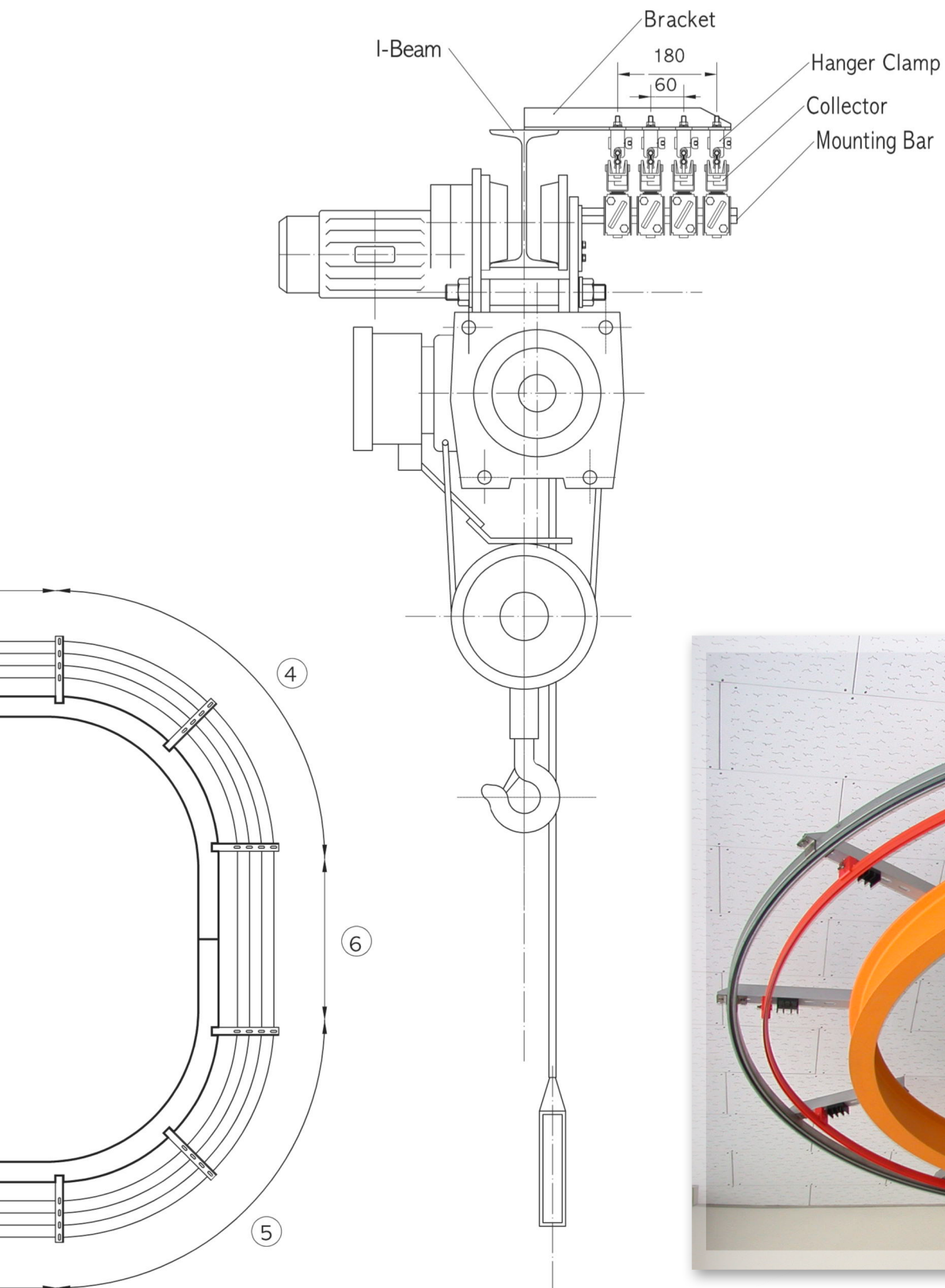
* 명신산업에서는 'R' 시공시 커브구간의 이탈 방지와 시공편의를 위하여 Trolley bar 6M 주문생산 합니다.



TROLLEY-BAR Mono-Rail 설치도

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· Trolley-Bar(Mono-Rail) 조립도

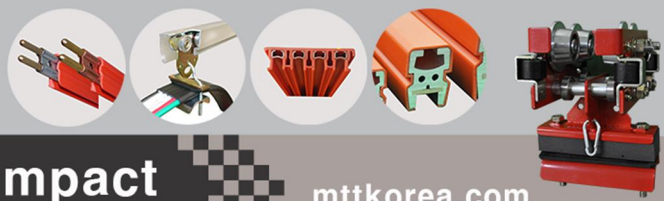


Trolley-Bar



Compact-Bar

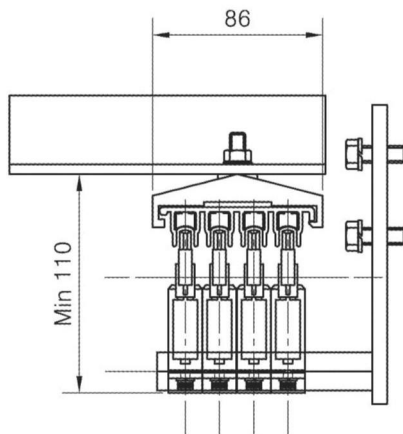
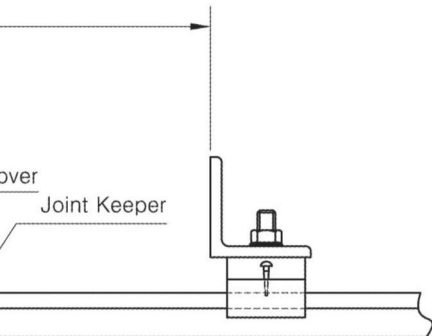




TROLLEY-BAR Collector compact

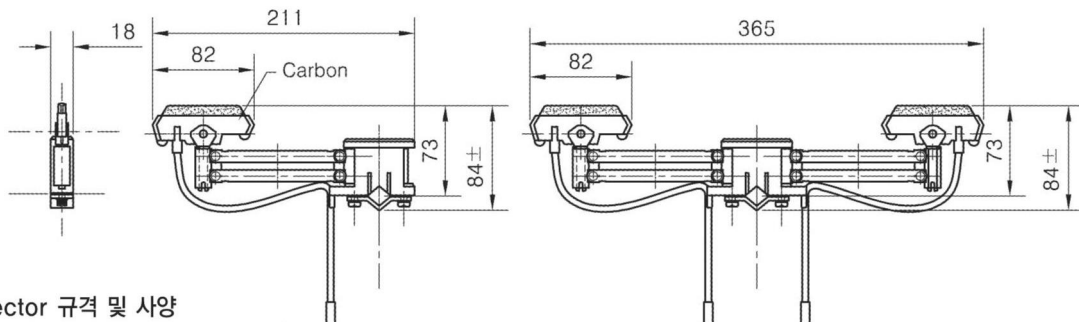
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MS Compact Bar는 시공이 간편하고 협소한 공간에도 시공이 유리하며 Hoist, Crane 및 대차, 주차설비, 자동화창고, 자동반송 System 전원공급용으로 사용함.



· Collector

이동대차 & Hoist에 부착하여 Compact-Bar Main-Unit에서 기기로 급전하는 장치(부품)

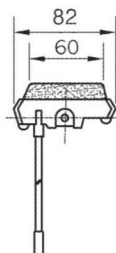


■ Collector 규격 및 사양

품명	용량	제품번호
Collector(Single)	60 (A)	MS-CCL-011-60
Collector(Tandem)	120 (A)	MS-CCL-020-120

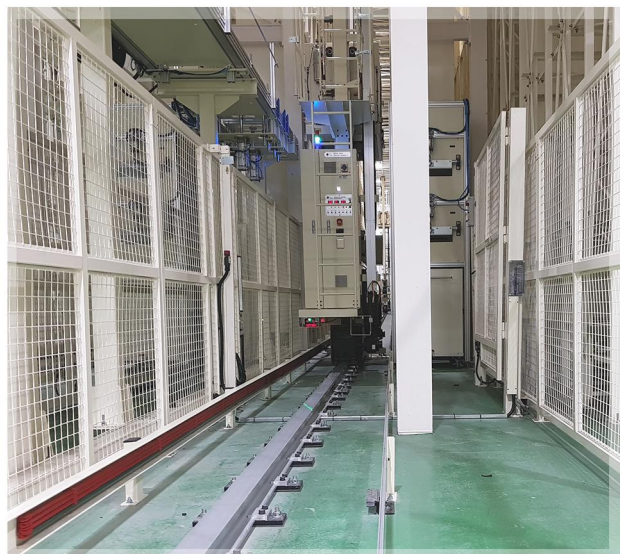
■ Carbon Head 규격 및 사양

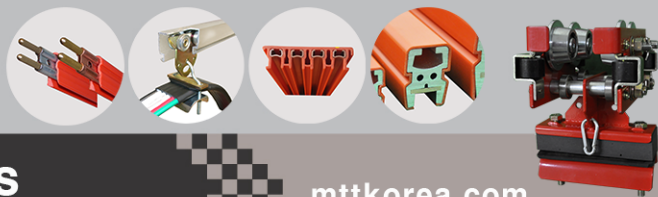
품명	제품번호
Carbon Head	MS-CBH-011-60



MS-CCL-011-60

MS-CCL-020-120



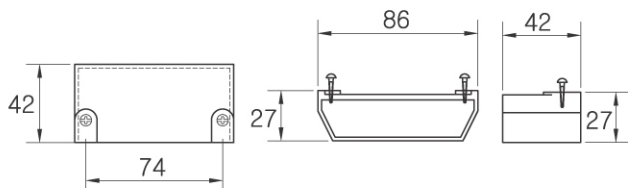


COMPACT-BAR Accessories

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· End Cap 규격 및 사양

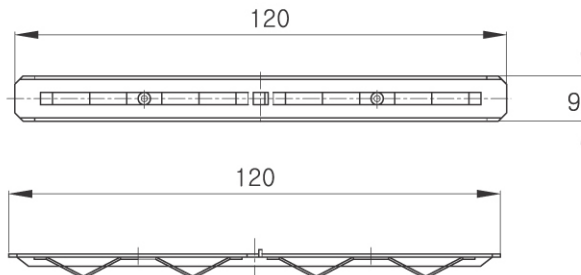
Compact Bar의 끝부분에 끼우는 안전용 절연마개



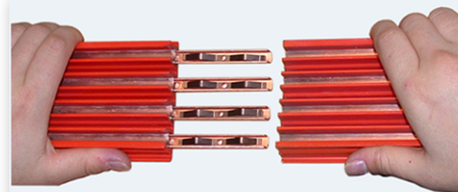
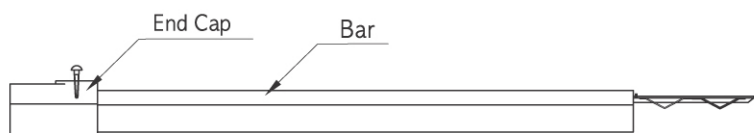
품명	제품번호	재질
End Cap	MS-CEC-10	PVC

· Joint Keeper 규격 및 사양

Bar와 Bar를 연결시켜 주는 단자

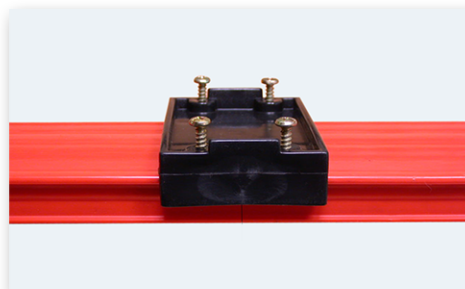
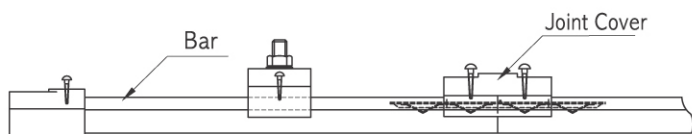
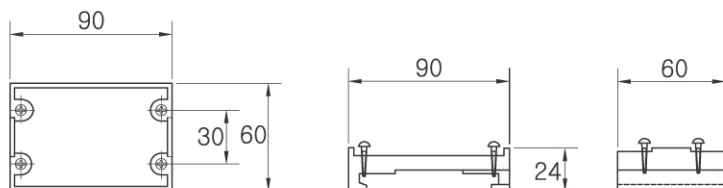


품명	제품번호	재질
Joint Keeper	MS-CJK-10	Copper



· Joint Cover 규격 및 사양

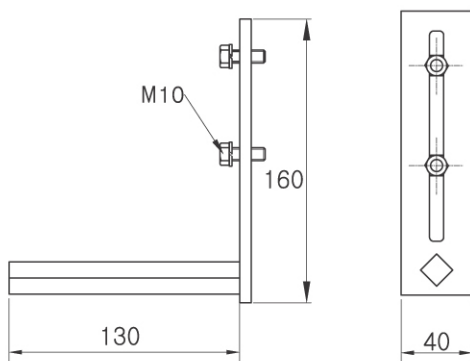
연결부위의 도체를 절연시켜 주는 절연덮개



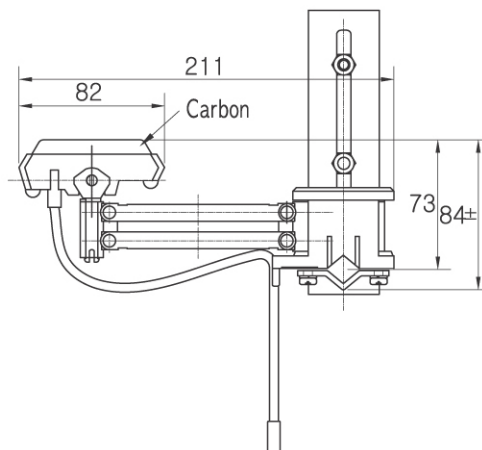
품명	제품번호	재질
Joint Cover	MS-CJC-10	PVC

· Mounting Bar 규격 및 사양

집전기를 고정시켜 주는 Guide



품명	제품번호	재질
M-Bar	MS-CMB-160	아연도금 Steel

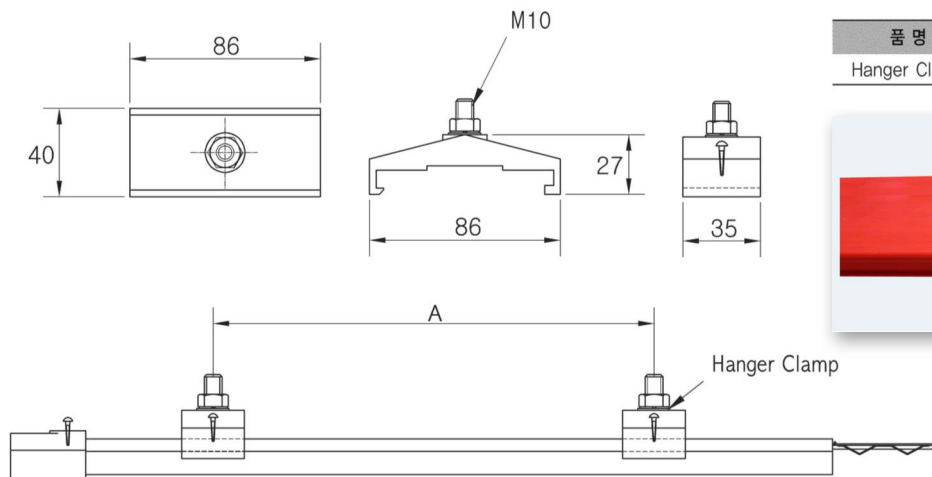


COMPACT-BAR Accessories

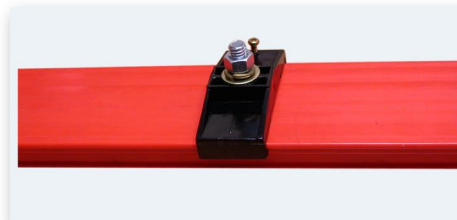
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· Hanger Clamp 규격 및 사양

Compact-Bar를 측면이나 천정에 고정시키기 위한 고정자

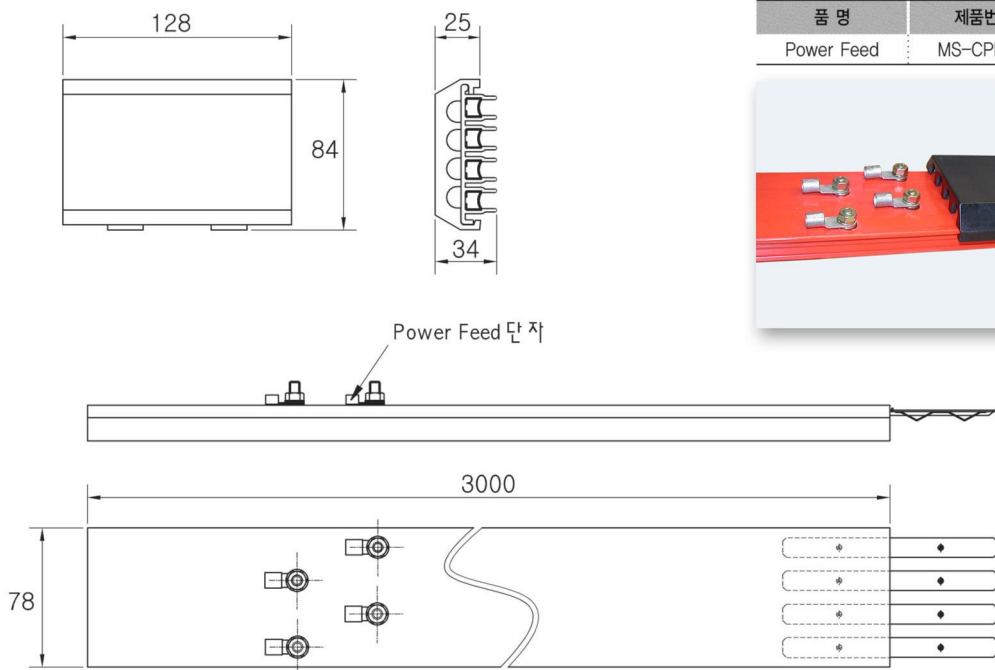


품명	제품번호	재질
Hanger Clamp	MS-CHC-10	PVC



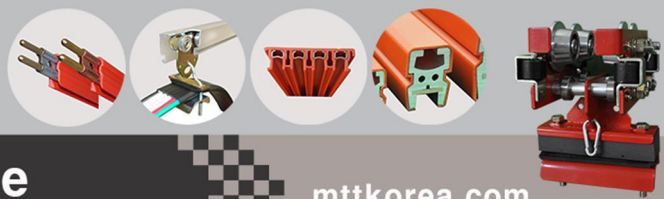
· Power Feed 규격 및 사양

Compact-Bar에 전원을 인입해 주는 급전장치



품명	제품번호	재질
Power Feed	MS-CPF-10	PVC / Copper

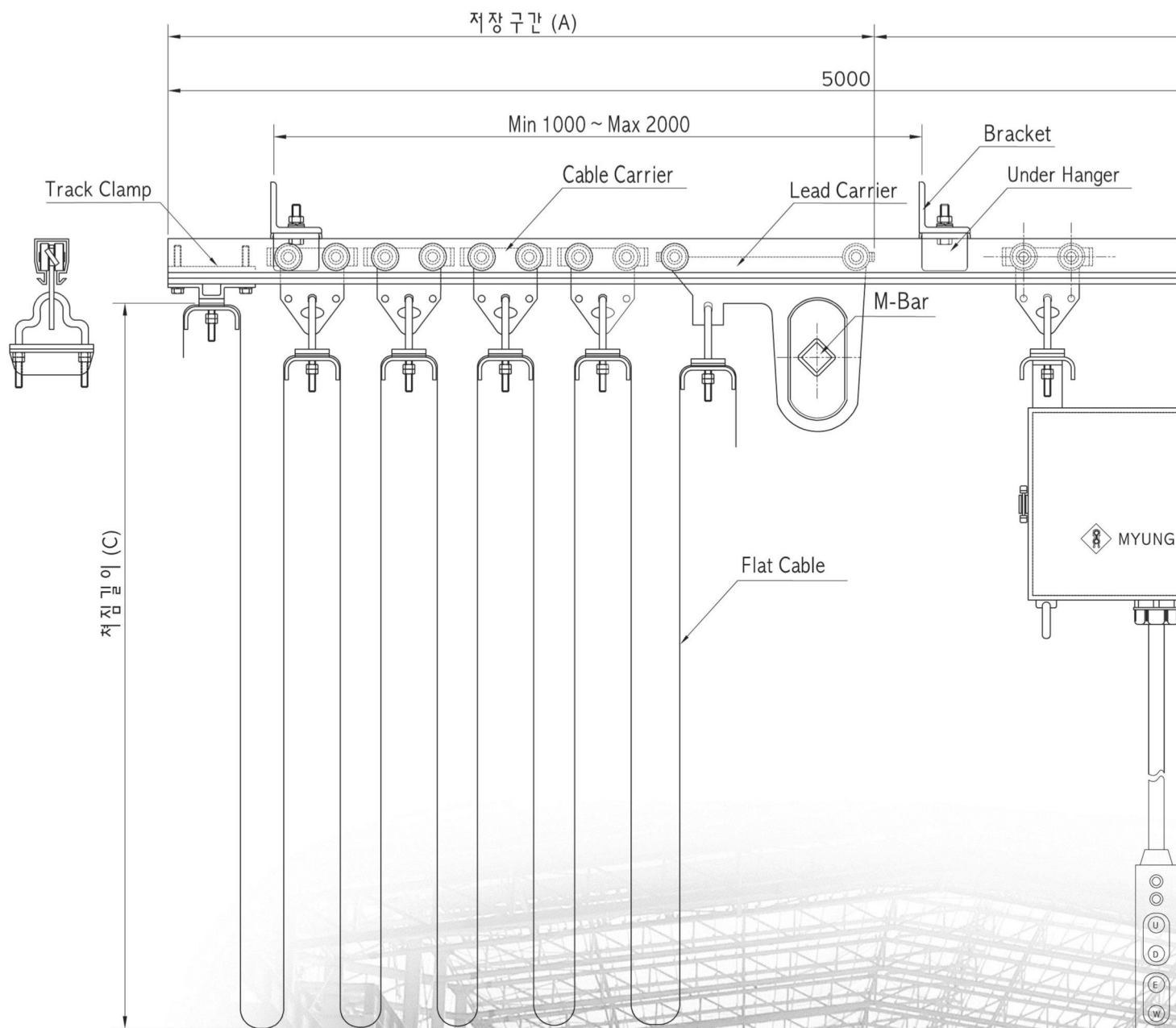




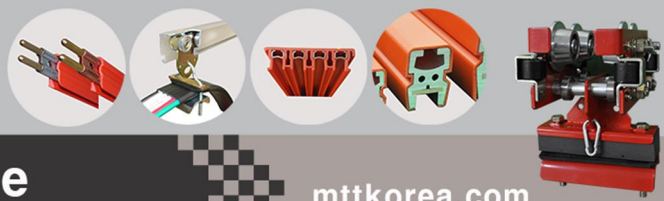
TRACK-1 Feston Track Cable

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· Festoon Track Cable System의 구성도



Track-1

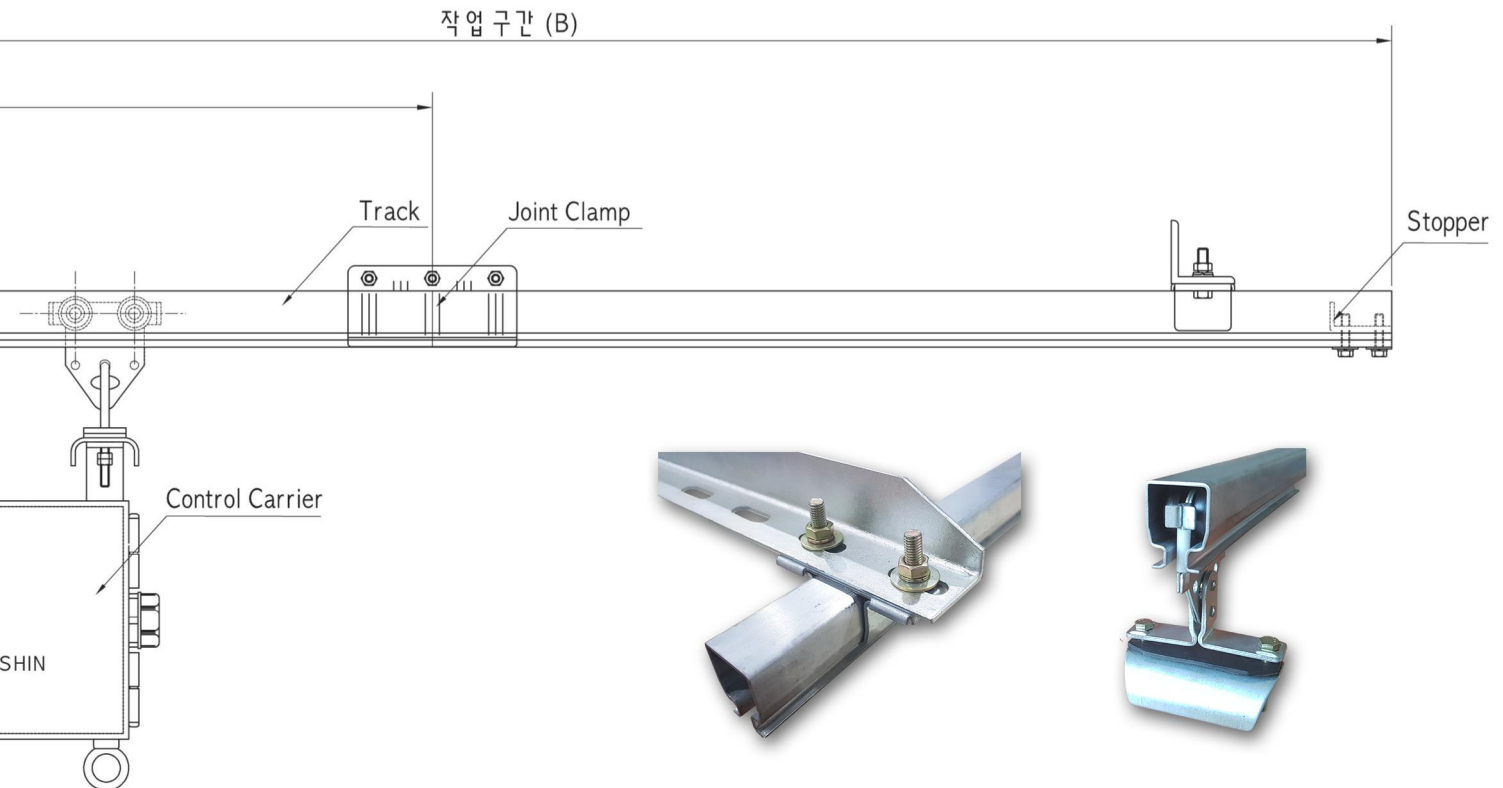


TRACK-1 Festoon Track Cable

mttkorea.com

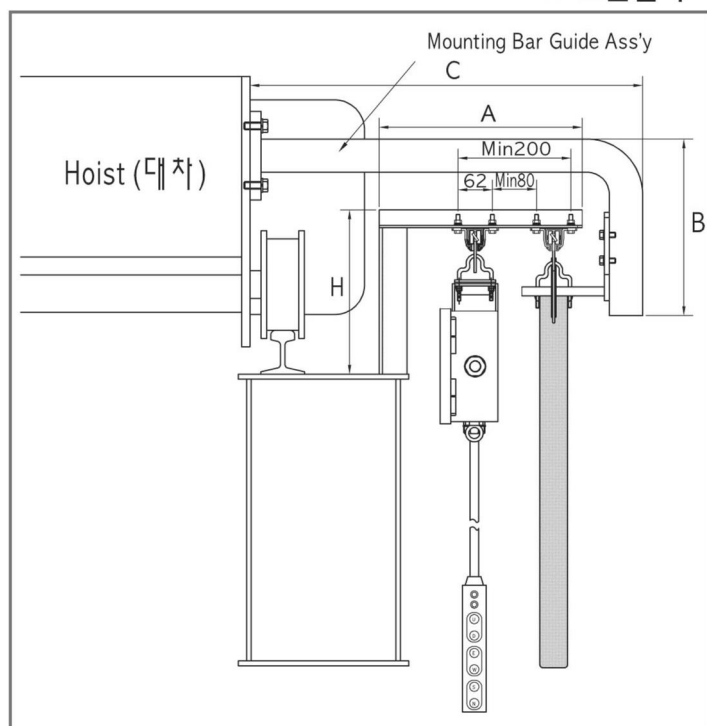
명신 Track Festoon Cable System은 이동하는 기계에 전원이나 공기를 공급하기 위한 전선, 호스 등을 지지해주는 장치입니다. 여기에 소개하는 Track Cable System은 원형 Cable 혹은 Cable(Flat Cable)을 모두 사용할 수 있습니다. 특히 판형 Cable은 그 굴곡현상이 양호하므로 사용하시기에 더욱 편리합니다.

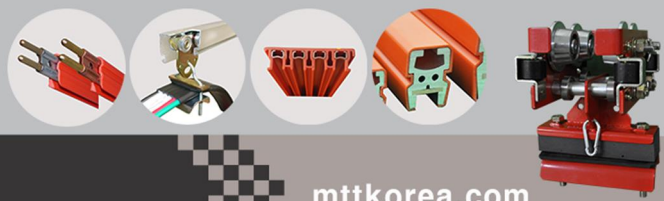
※ 명신 Track System은 “R”시공이 가능합니다 (R1300 부터).



Track-1

■ 표준설치도



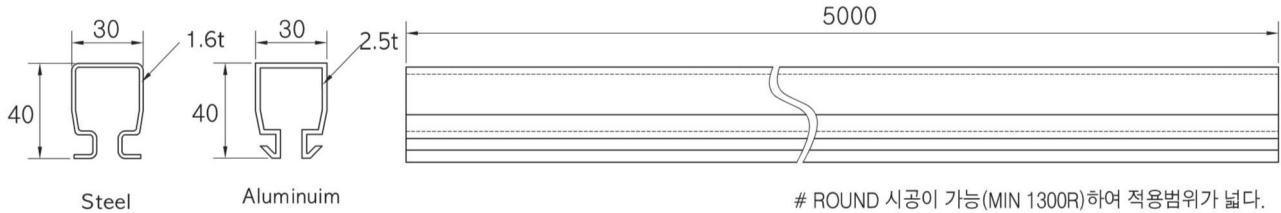


TRACK-1 Accessories

mttkorea.com

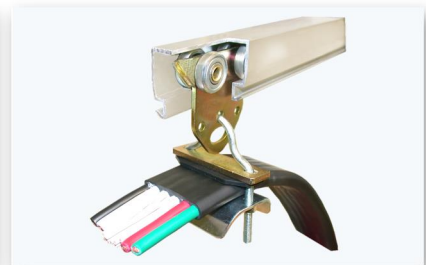
· Track(소) MS-TF1-Series

Carrier가 이동할 수 있게 하는 Guide Track. Track 재질로는 Steel과 Aluminum 두종류가 있다. 표준길이는 5M



ROUND 시공이 가능(MIN 1300R)하여 적용범위가 넓다.

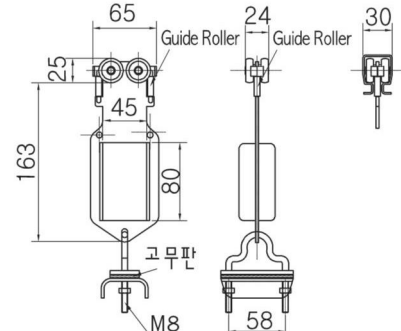
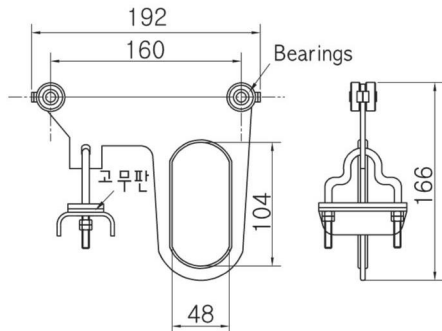
품명	제품번호	길이(m/m)	중량(g)	재질
Track Frame(소) 알루미늄	MS-TF1-01	5,000	3,600	Aluminum
Track Frame(소) 철	MS-TF1(S)-02	5,000	8,700	Steel



· Lead Carrier 규격 및 사양

▶ 소요량: 1Line / 1ea

캐리어 휠은 전용 베어링을 사용함으로써 마찰력을 최소화함



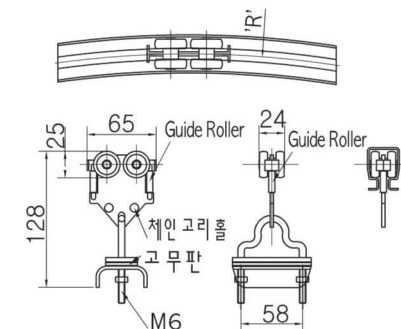
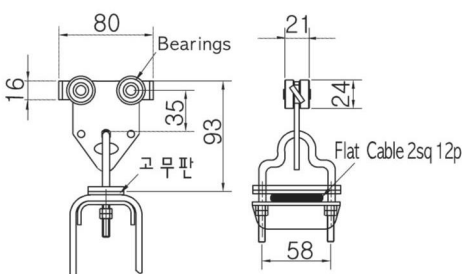
품명	제품번호	재질
Lead Carrier	MS-LC1-01	아연도금 Steel

품명	제품번호	용도
Lead Carrier	MS-LC1-02	회전용

· Cable Carrier 규격 및 사양

▶ 소요량: 2~3m / 1ea

캐리어 휠은 전용 베어링을 사용함으로써 마찰력을 최소화함



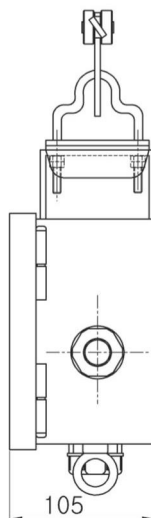
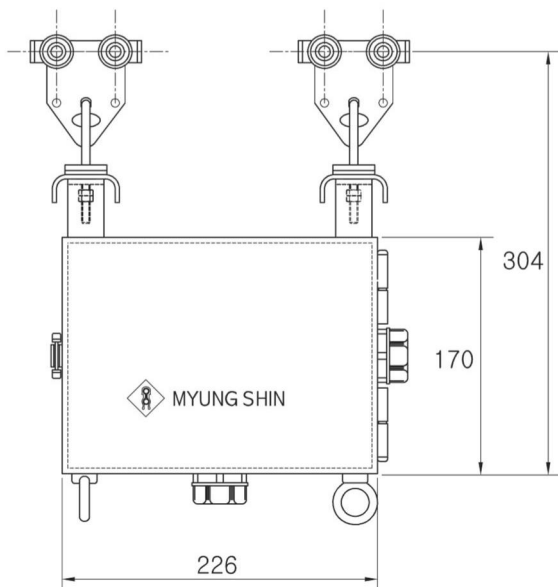
품명	제품번호	재질
Cable Carrier	MS-CC1-01	아연도금 Steel

품명	제품번호	용도
Cable Carrier	MS-CC1-02	회전용

TRACK-1 Accessories

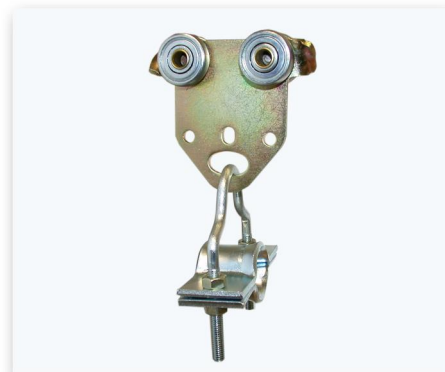
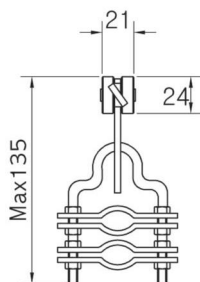
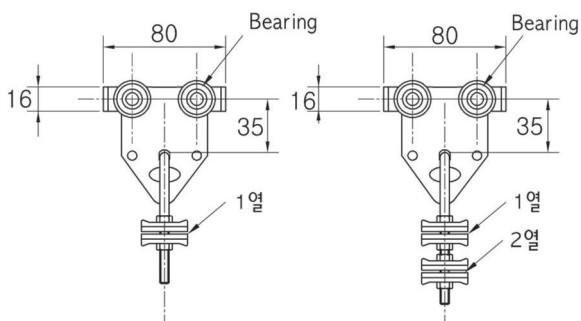
· Control Carrier 규격 및 사양

Pendent S/W가 Hoist(대차)와 분리되어 별도로 설치될 때 Pendent S/W를 연결시켜 주는 케리어



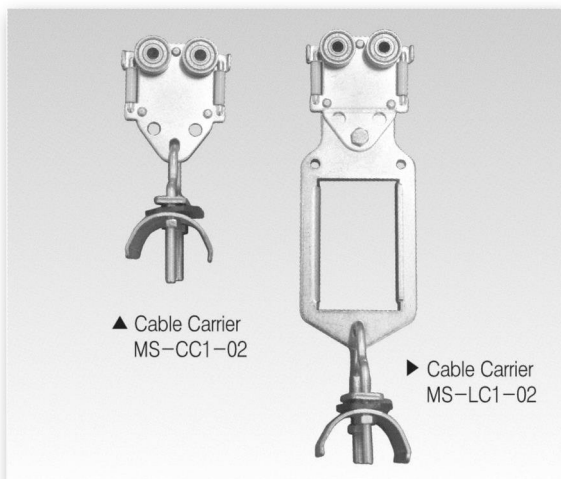
품명	제품번호	재질
Control Carrier	MS-CBC1-01	아연도금 Steel

· Cable Carrier 규격 및 사양



※ 상기외의 사양은 주문제작 가능

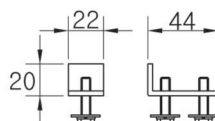
품명	제품번호	용도
Cable Carrier	MS-CC1-03(1열)	원형케이블 및 호스용
Cable Carrier	MS-CC1-03(2열)	원형케이블 및 호스용

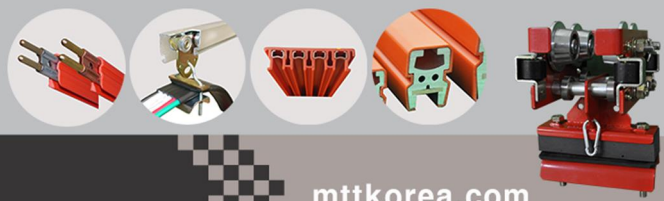


· Stopper 규격 및 사양

▶ 소요량: 1 Line / 1ea

품명	제품번호	용도
Stopper	MS-SP1-01	아연 도금 Steel





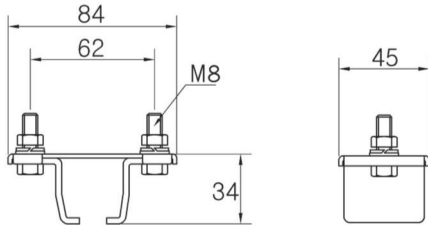
TRACK-1 Accessories

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· Under Hanger 규격 및 사양

Track을 고정시키기 위한 고정자

▶ 소요량: 1.5~2m / 1ea

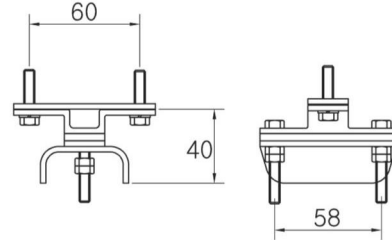


품명	제품번호	재질
Under Hanger	MS-UH1-01	아연도금 Steel



· Track Clamp 규격 및 사양

▶ 소요량: 1line / 1ea



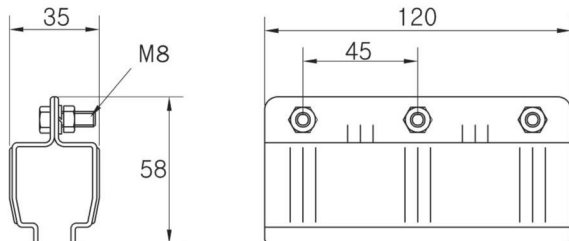
품명	제품번호	재질
Track Clamp	MS-TC1-01	아연도금 Steel



· Joint Clamp 규격 및 사양

▶ 소요량: 5m / 1ea

Track과 Track을 연결시켜 주는 연결 단자

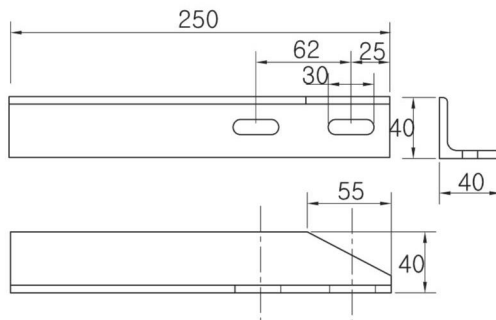


품명	제품번호	재질
Joint Clamp	MS-JC1-01	아연도금 Steel

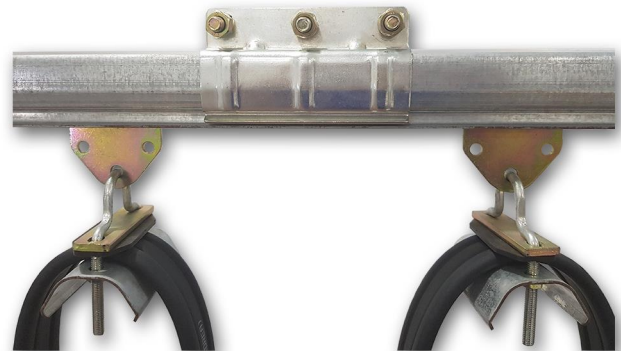


· Bracket Bar 규격 및 사양

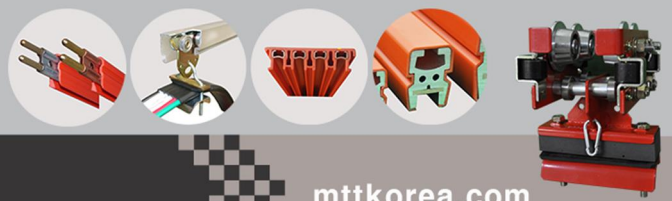
▶ 소요량: 1.5~2m / 1ea



품명	제품번호	용도
Bracket	MS-BR-2P(62)-250	ㄱ형강(아연도금)
Bracket	MS-BR-4P-340	ㄱ형강(아연도금)

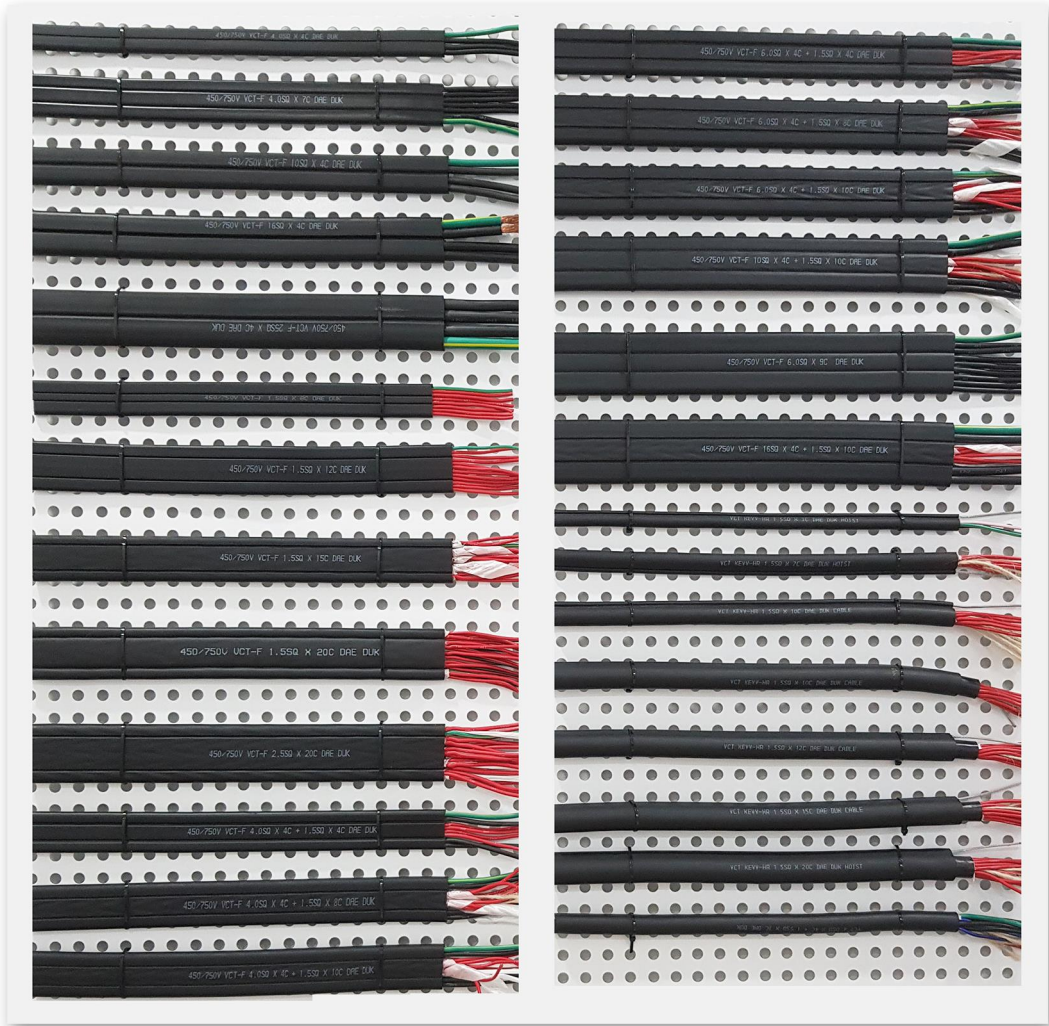


※ 위의 제품은 일반형임
※ Bracket은 현장에 따라 특수제작가능



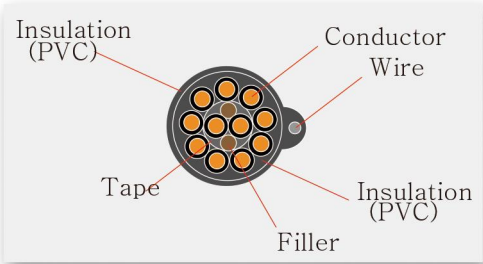
FLAT CABLE -DAEDUK

mttkorea.com



Track-1

Hoist Cable



선심수 Number of Cores	도체 Conductor		절연체 Insulation		완성외경 Approx. Overall Dia.	보강선 Wire (mm)
	구성 Construction (No/mm)	외경(약) Approx. Dia. (mm)	두께 Thickness (mm)	외경 Approx. Dia. (mm)	(mm)	
1.5mm ² ×10C	59/0.18	1.5	0.7	2.9	20.5 × 25	2
1.5mm ² ×12C					21 × 25.5	
1.5mm ² ×15C					22 × 26.3	
1.5mm ² ×20C					23.5 × 28.5	



1. 평케이블(VCT-F)

-제품의 용도 : 이 케이블은 단순, 반복적으로 움직임이 많은 곳에 사용되며, 호이스트, 크레인, 무대이동용 조명장치 및 관련기기 배선에 사용되고 단선, 단락 및 내굴곡성이 우수하다.

-제품의 특성

도체 : 연동집합선

절연체 : PVC

연합 : 코어를 원형으로 연합

(평형케이블일 경우 코어 연합 후 나열)

시스체 : PVC

1. Flat cable (VCT-F)

How to use: this flat cable is used in simple, repetitive motion and it is commonly used for hoist, crane, stage lighting equipment and wiring of related equipment.

It also has good circuit breaker and bend (excellent).

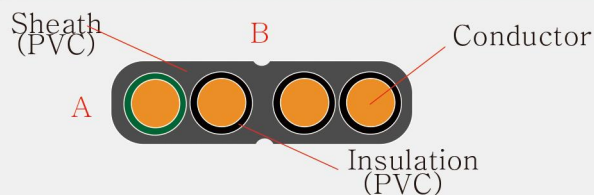
-Product characteristics:

Conductor: the lines are set to be interlocked

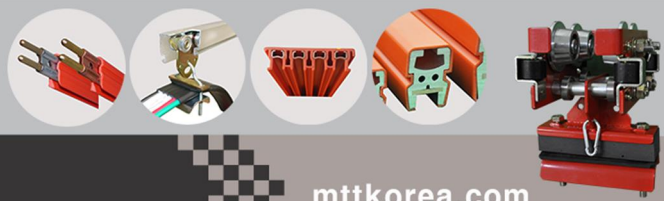
Insulator: PVC

Cohesion: Combine cores into a circle

Sheath: PVC

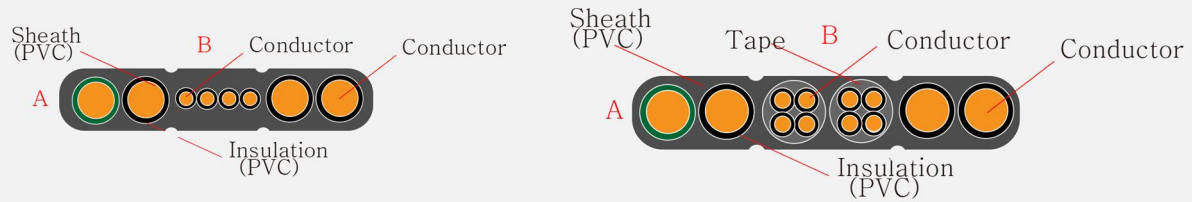


선심수 Number of Cores	도체 Conductor		절연체 Insulation		완성외경 Approx. Overall Dia. A×B(mm)
	구성 Construction (No/mm)	외경(약) Approx. Dia. (mm)	두께 Thickness (mm)	외경 Approx. Dia. (mm)	
1.5mm ² ×8C	59/0.18	1.5	0.7	2.9	7 × 30.5
1.5mm ² ×12C	59/0.18	1.5	0.7	2.9	7 × 43.5
1.5mm ² ×15C	59/0.18	1.5	0.7	2.9	11.2 × 45.8
1.5mm ² ×20C	59/0.18	1.5	0.7	2.9	12.2 × 46
4.0mm ² ×4C	4×40/0.18	2.7	0.8	4.3	8.1 × 20.4
6.0mm ² ×4C	4×59/0.18	3.4	0.9	5.2	9 × 25.8
10mm ² ×4C	4×47/0.26	4.2	1	6.2	10.5 × 32.2
16mm ² ×4C	40/0.18	6	1	8	13.3 × 39
	6×47/0.26				
25mm ² ×4C	10×47/0.26	7.4	1.3	10	14 × 47
35mm ² ×4C	14×47/0.26	9	1.5	12	18.5 × 60



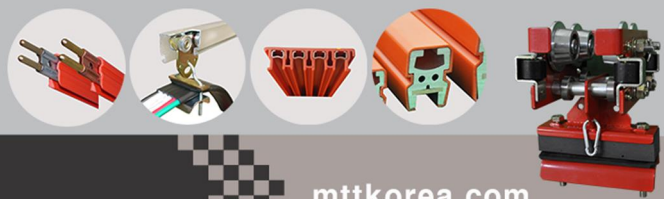
FLAT CABLE -DAEDUK

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선심수 Number of Cores	도체 Conductor			절연체 Insulation		완성외경 Approx. Overall Dia. A×B(mm)
	mm ²	구성 Construction (No/mm)	외경(약) Approx. Dia. (mm)	두께 Thickness (mm)	외경 Approx. Dia. (mm)	
4.0mm ² ×4C+1.5mm ² ×4C	4	4×40/0.18	2.7	0.8	4.3	8.9 × 36
	1.5	59/0.18	1.5	0.7	2.9	
4.0mm ² ×4C+1.5mm ² ×8C	4	4×40/0.18	2.7	0.8	4.3	11.2 × 39
	1.5	59/0.18	1.5	0.7	2.9	
4.0mm ² ×4C+1.5mm ² ×10C	4	4×40/0.18	2.7	0.8	4.3	11.2 × 39
	1.5	59/0.18	1.5	0.7	2.9	
6.0mm ² ×4C+1.5mm ² ×4C	6	4×59/0.18	3.4	0.9	5.2	9 × 38.6
	1.5	59/0.18	1.5	0.7	2.9	
6.0mm ² ×4C+1.5mm ² ×8C	6	4×59/0.18	3.4	0.9	5.2	11.2 × 43.5
	1.5	59/0.18	1.5	0.7	2.9	
6.0mm ² ×4C+1.5mm ² ×10C	6	4×59/0.18	3.4	0.9	5.2	11.2 × 43.5
	1.5	59/0.18	1.5	0.7	2.9	
10mm ² ×4C+1.5mm ² ×8C	10	4×47/0.26	4.2	1	6.2	12 × 48.8
	1.5	59/0.18	1.5	0.7	2.9	
10mm ² ×4C+1.5mm ² ×10C	10	4×47/0.26	4.2	1	6.2	12 × 48.8
	1.5	59/0.18	1.5	0.7	2.9	
16mm ² ×4C+1.5mm ² ×10C	16	40/0.18	6	1	8	14 × 58
		6×47/0.26				
	1.5	59/0.18	1.5	0.7	12	

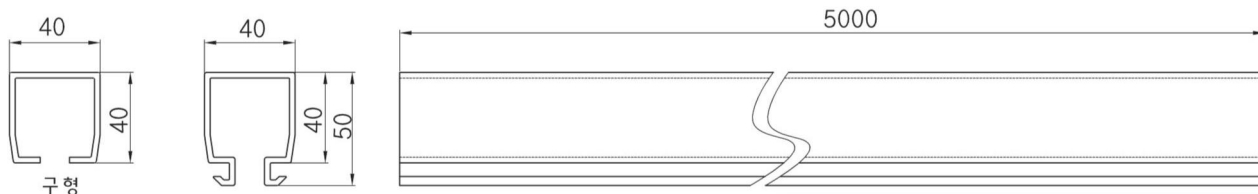




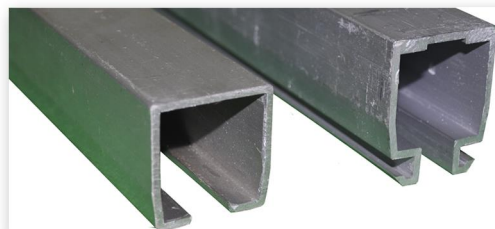
TRACK-2 Accessories

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· Track Frame(대) 규격 및 사양

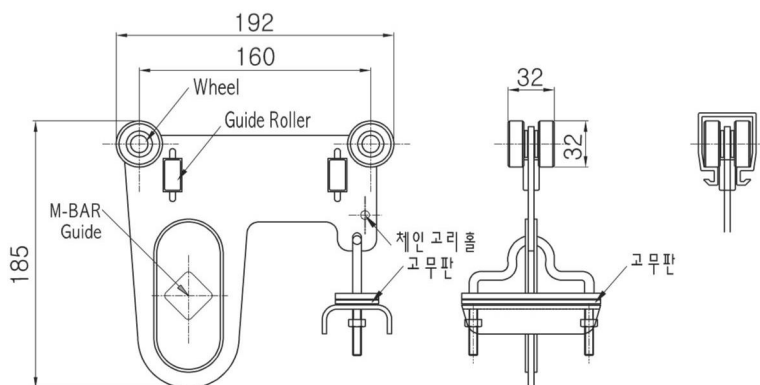


품명	제품번호	재질
Track Frame(대)	MS-TF2-01	Aluminum
Track Frame(대)	MS-TF2-02	PVC



· Lead Carrier 규격 및 사양

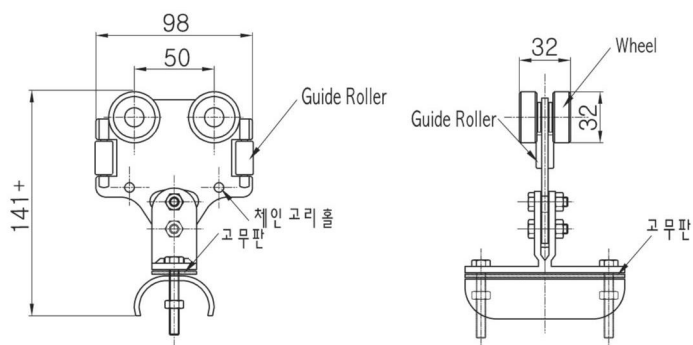
▶ 소요량: 1Line / 1ea



품명	제품번호	재질
Lead Carrier	MS-LC2-01	아연도금 Steel

· Cable Carrier 규격 및 사양

▶ 소요량: 2~3m / 1ea

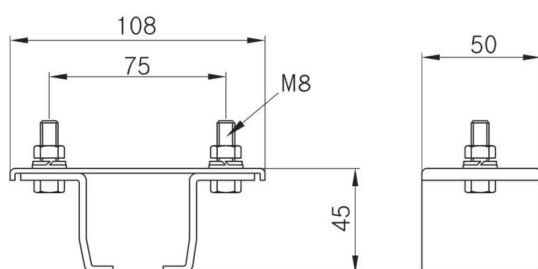


품명	제품번호	재질
Cable Carrier	MS-CC2-01	아연도금 Steel

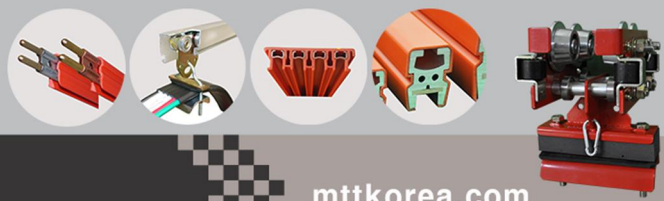
· Under Hanger 규격 및 사양

▶ 소요량: 1.5~2m / 1ea

Track을 고정시키기 위한 고정자



품명	제품번호	재질
Under Hanger	MS-UH2-01	아연도금 Steel



TRACK-2 Accessories

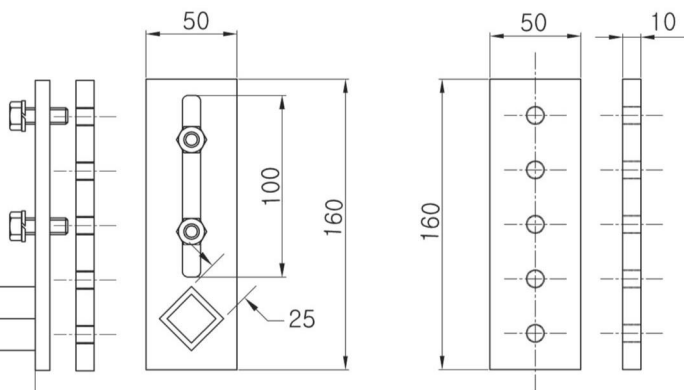
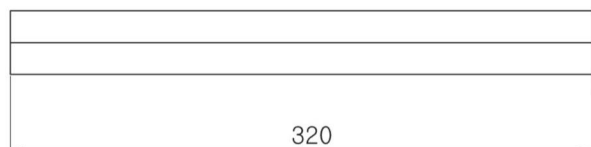
mttkorea.com

· Mounting Bar 특성 및 조립도

▶ 소요량: 1Line / 1ea

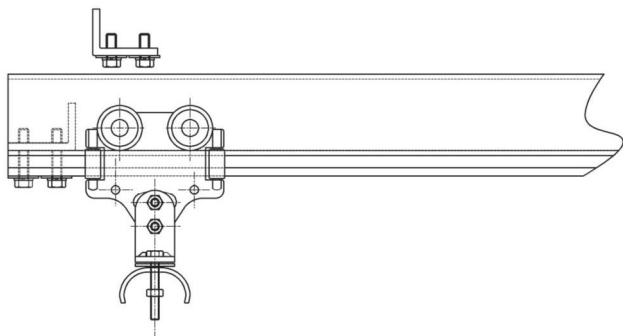
Cable Carrier를 리드시키기 위한 Guide

품명	제품번호
M-BAR	MS-MB-L형-320
M-BAR	MS-MB-L형-500
품명	제품번호
M-BAR Base	MS-MBS-160



· Stopper 규격 및 사양

▶ 소요량: 1Line / 1ea

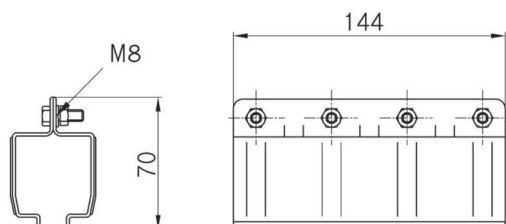


품명	제품번호	재질
Stopper	MS-SP2-01	아연도금 Steel



· Joint Clamp 규격 및 사양

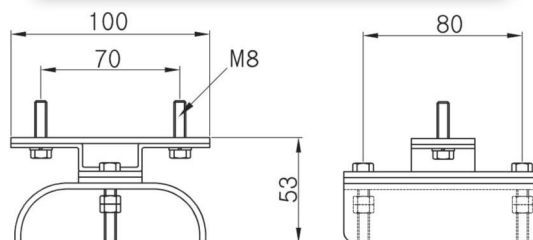
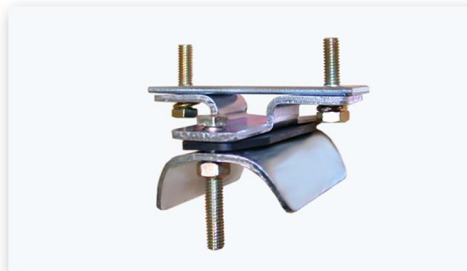
Track과 Track을 연결시켜주는 연결단자 ▶ 소요량: 5m / 1ea



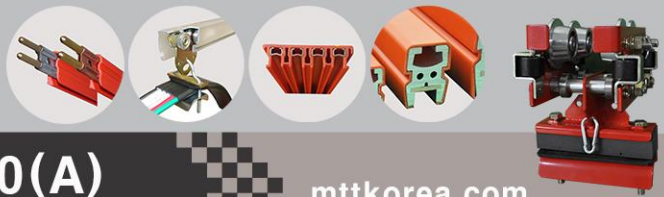
품명	제품번호	재질
Joint Clamp	MS-JC2-01	아연도금 Steel

· Track Clamp 규격 및 사양

▶ 소요량: 1 Line / 1ea



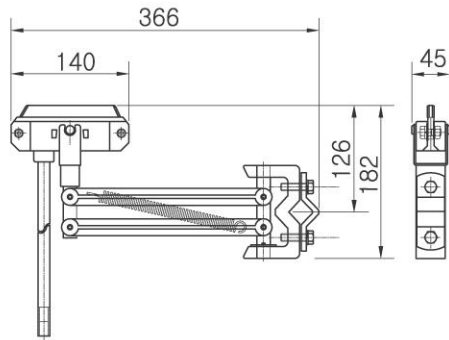
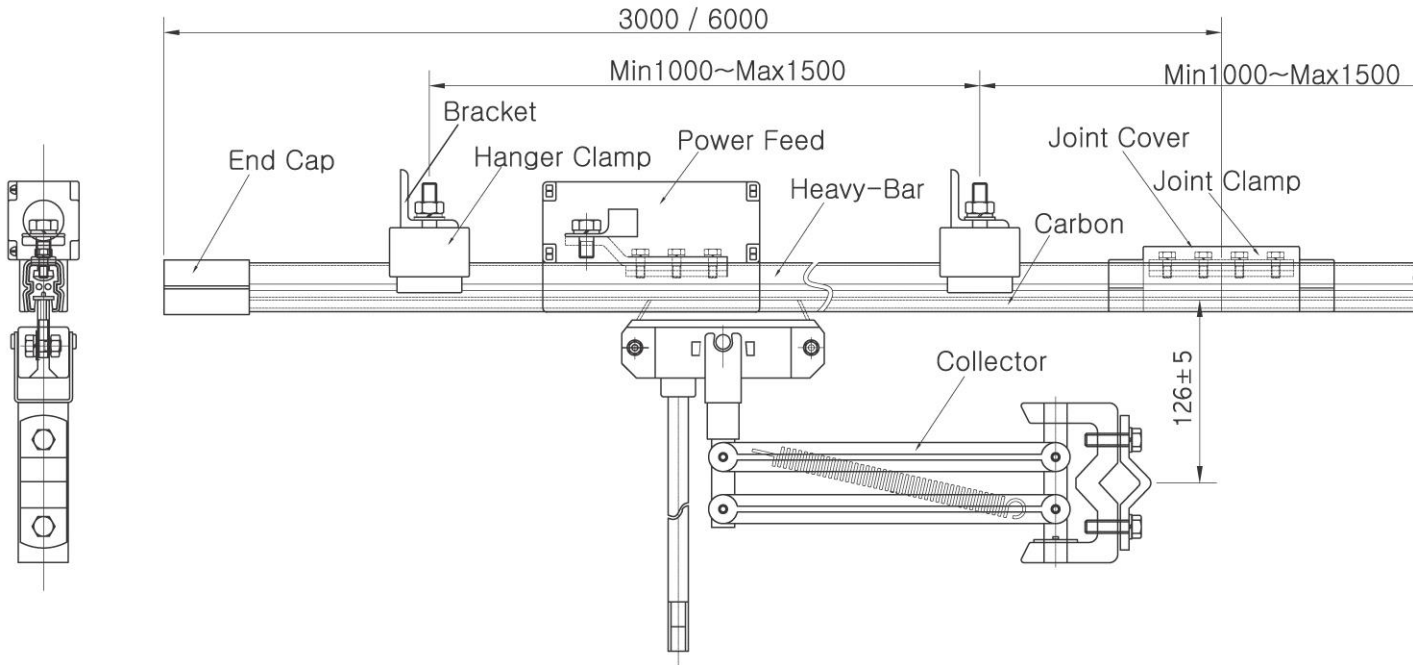
품명	제품번호	재질
Track Clamp	MS-TC2-01	아연도금 Steel



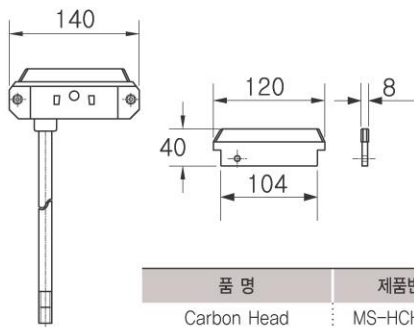
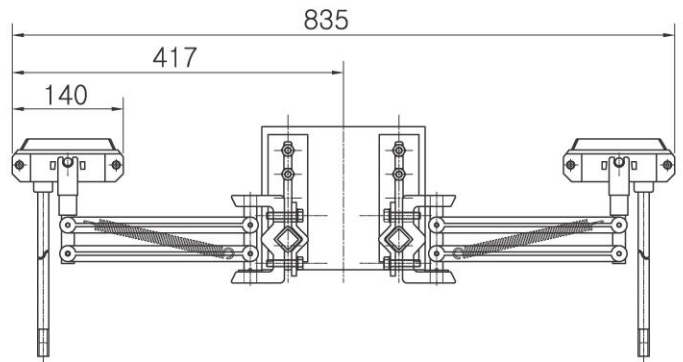
HEAVY-BAR Series1 300-500(A)

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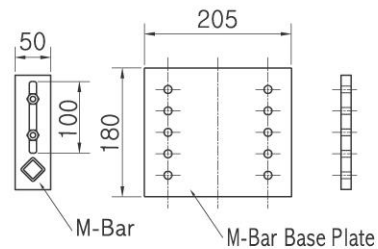
· Heavy-Bar의 구성도



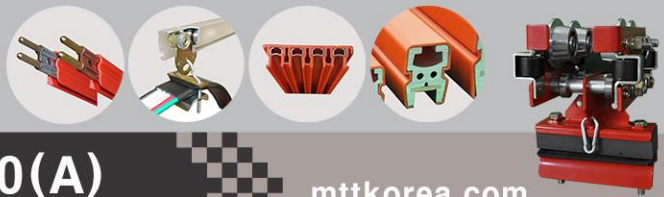
품명	규격	제품번호
Collector	300 (A)	MS-HCL-300



품명	제품번호
Carbon Head	MS-HCH-300
Carbon	MS-HCB-300



품명	규격	제품번호
Collector	500 (A)	MS-HCL-500

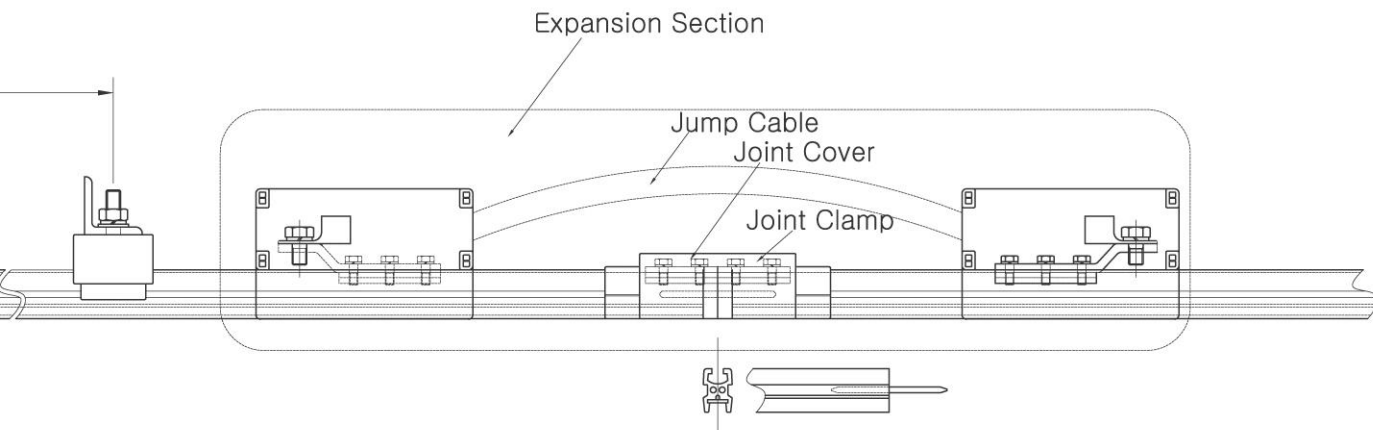


HEAVY-BAR Series1 300-500(A)

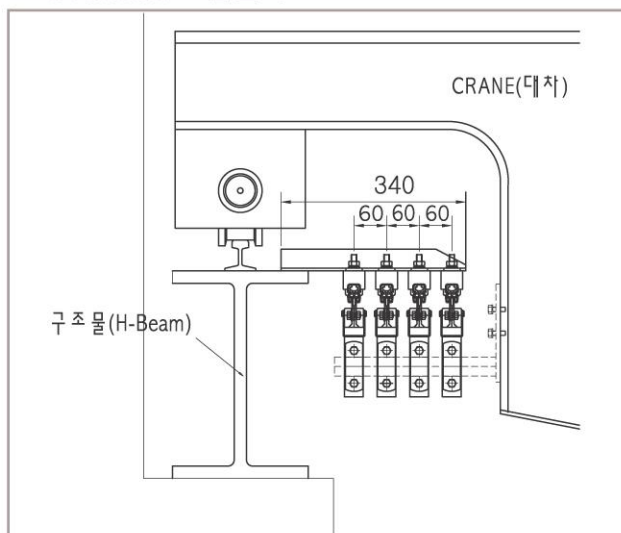
mttkorea.com

디자인 특허등록(No. 30-0523672)

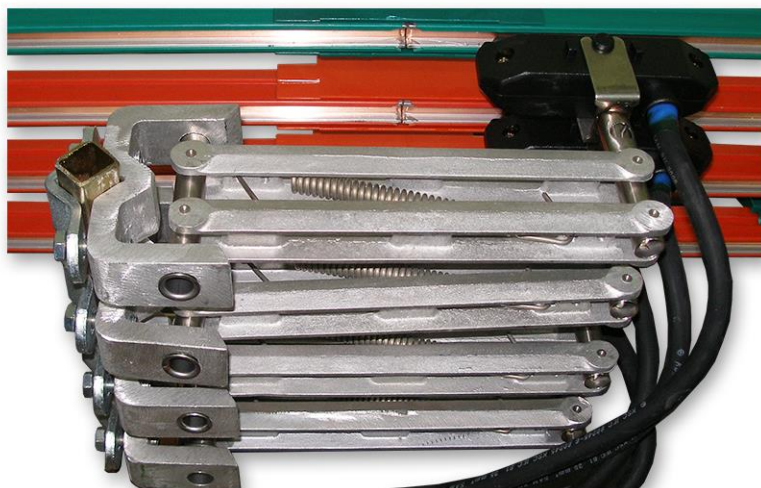
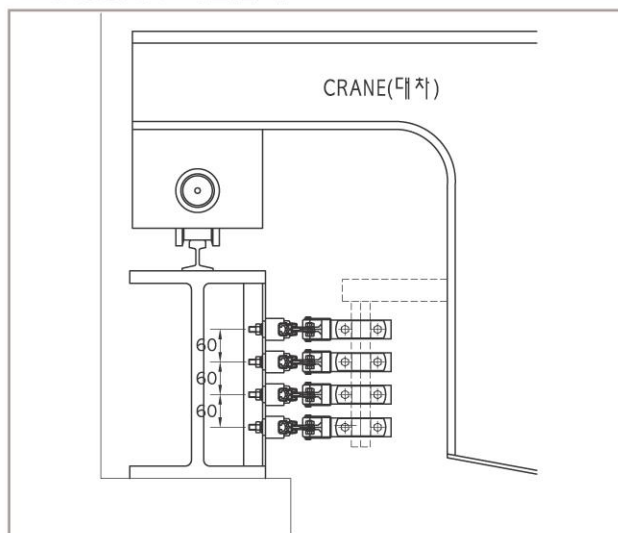
- 명신 Heavy-Bar는 고용량 Crane 및 분진이 많은 장소에 사용
- 전기적 안전성과 시공의 간편성 및 유지보수가 손쉬운 특성

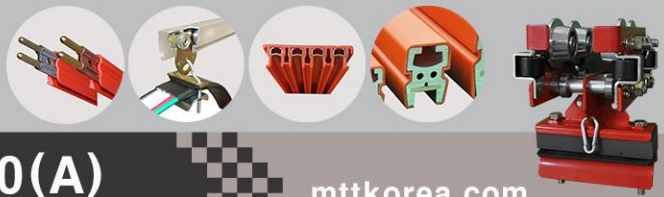


■ Bracket 표준설치도



■ Bracket 측면설치도

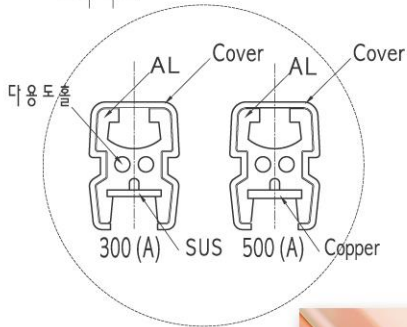
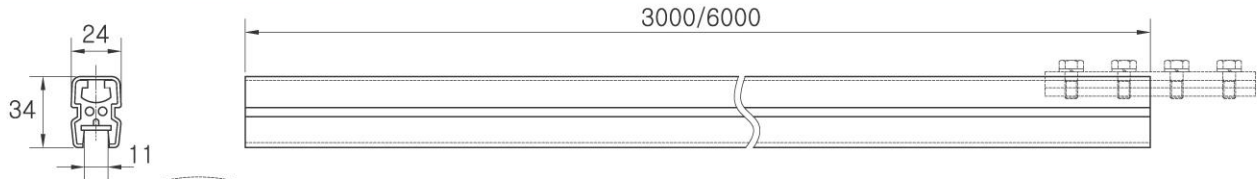




HEAVY-BAR Series1 300-500(A)

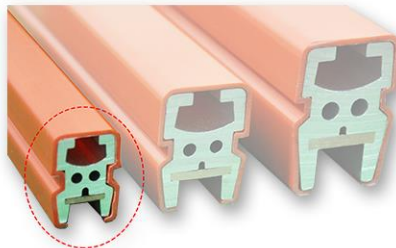
mttkorea.com

· Heavy-Bar 규격 및 사양



- HEAVY-BAR 내열용 Cover는 폴리카보나이트 재질로 고열에 우수함
- 일반형 Bar Cover 재질은 PVC

품명	하용전류 (A)	표준길이	제품번호(일반형)	제품번호(내열용)	재질
Heavy Bar	300 (A)	3,000	MS-NHB(3)-300A	MS-KNHB(3)-300A	Aluminum/SUS
Heavy Bar	500 (A)	3,000	MS-NHB(3)-500A	MS-KNHB(3)-500A	Aluminum/Copper
Heavy Bar	300 (A)	6,000	MS-NHB(6)-300A	MS-KNHB(6)-300A	Aluminum/SUS
Heavy Bar	500 (A)	6,000	MS-NHB(6)-500A	MS-KNHB(6)-500A	Aluminum/Copper

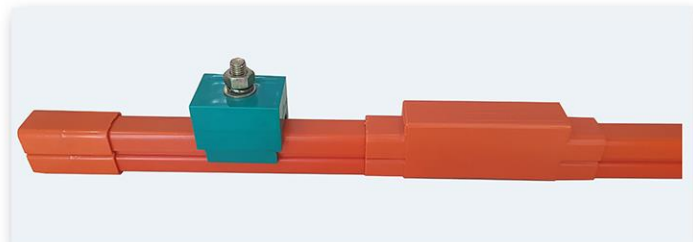
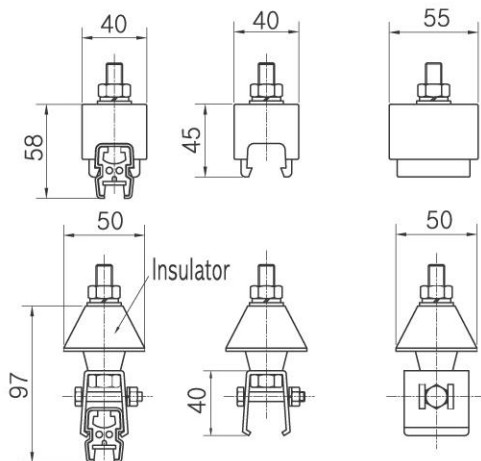


■ 각종 금속의 도전을 및 저항률

(자료출처 전기공사실무 데이터북 P1-7)

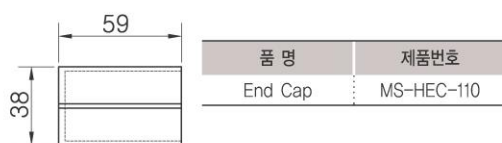
금속의 종류	도전율(%)	저항률(MΩ cm)	표준연동을 1로 할때의 저항률의 비
은	106	1.62	0.94
표준연동	100	1.7241	1.00
금	71.8	1.39	1.39
알루미늄	62.7	2.75	1.60
황동	24.6~34.5	5~7	2.90~4.06

· Hanger Clamp 규격 및 사양

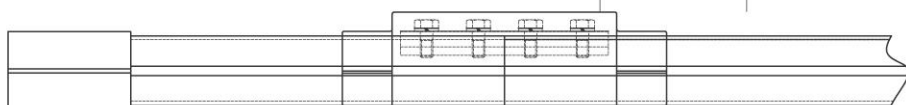
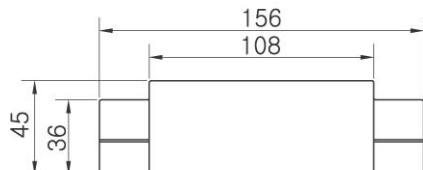
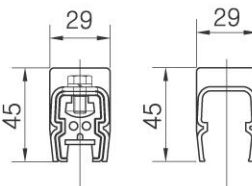


품명	제품번호	재질
Hanger Clamp	MS-HCL-110	PVC
Hanger Clamp	MS-HCL-120	에폭시/STEEL

· End Cap 규격 및 사양

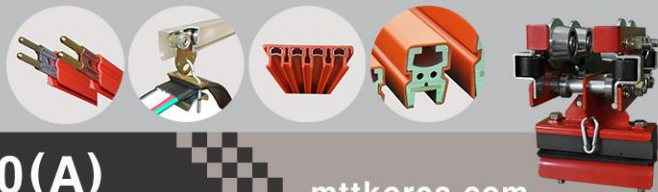


품명	제품번호
End Cap	MS-HEC-110



품명	제품번호
Joint Cover	MS-HJC-10

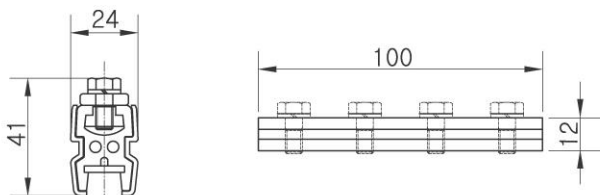
· Joint Cover 규격 및 사양



HEAVY-BAR Series1 300-500(A)

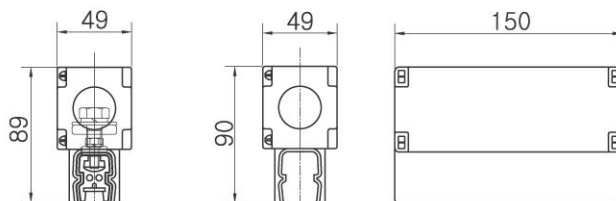
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· Joint Keeper 규격 및 사양

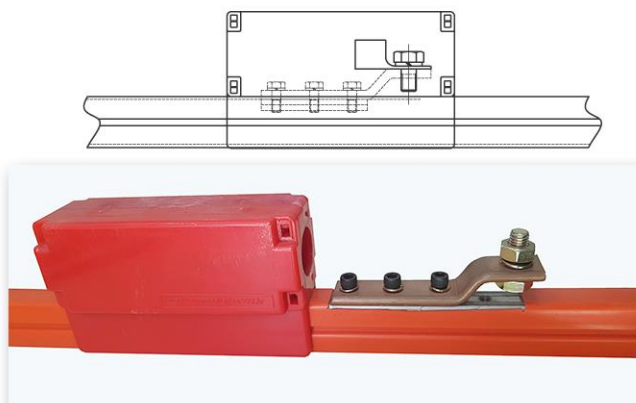


품명	제품번호
Joint Keeper	MS-HJK-110

· Power Feed 규격 및 사양

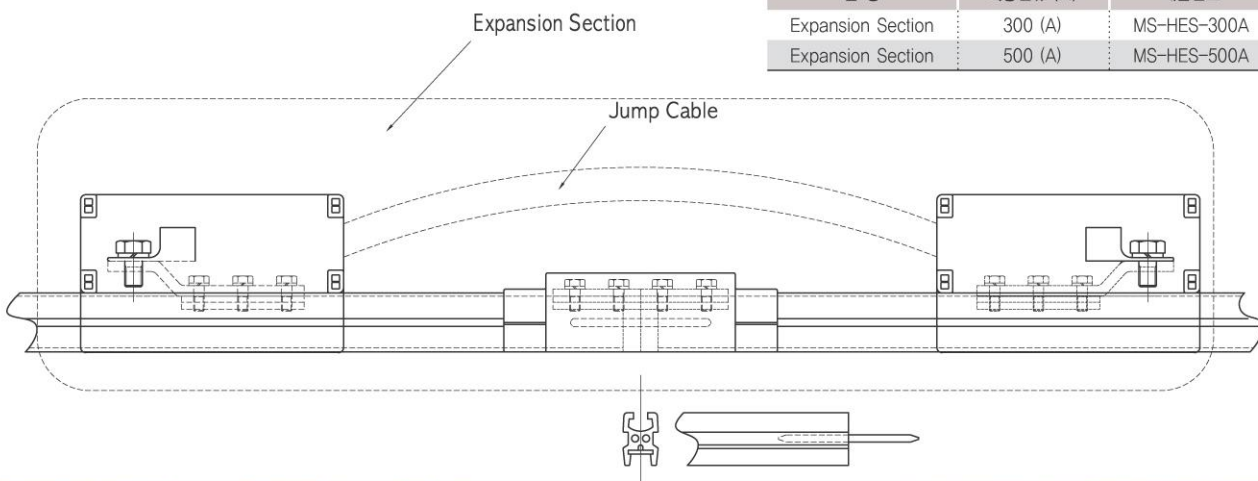


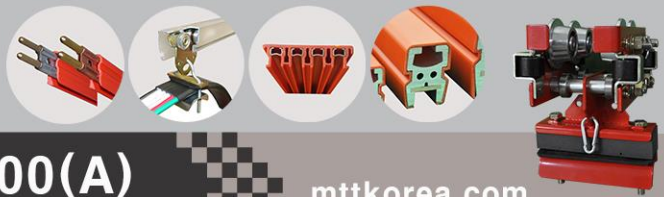
품명	제품번호
Power Feed	MS-HPF-110



· Expansion Section 규격 및 사양

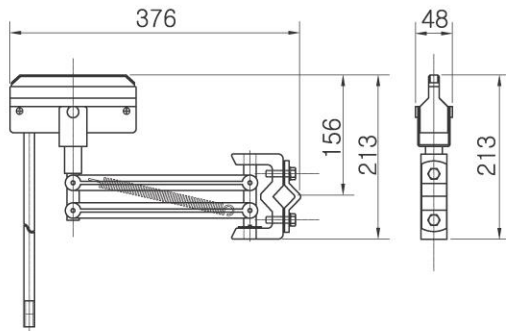
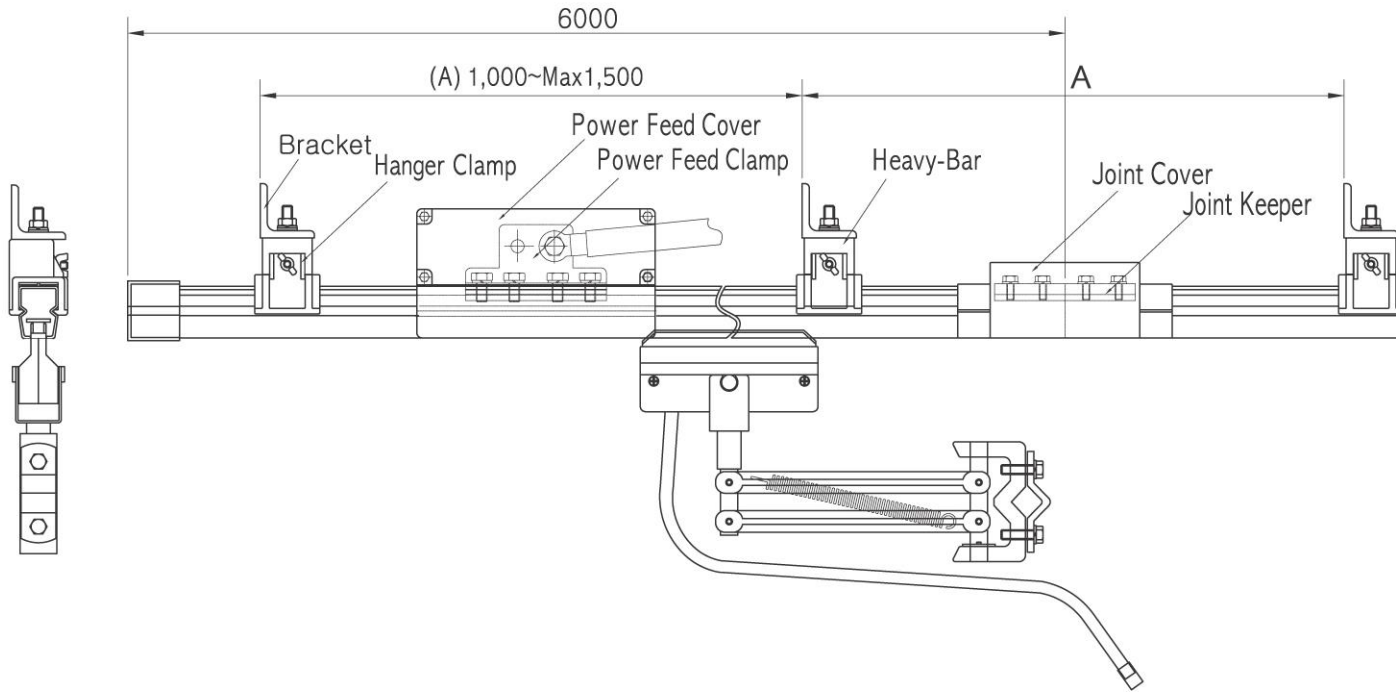
품명	허용전류 (A)	제품번호
Expansion Section	300 (A)	MS-HES-300A
Expansion Section	500 (A)	MS-HES-500A



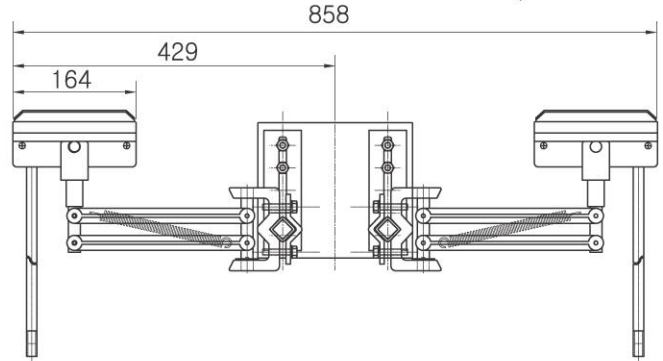


HEAVY-BAR Series2 800-1000(A)

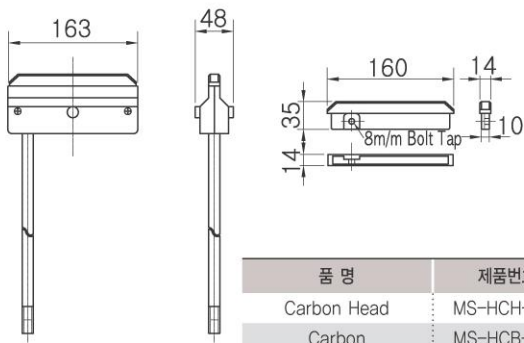
mttkorea.com



품명	허용전류 (A)	제품번호
Collector	500 (A)	MS-HCL-500

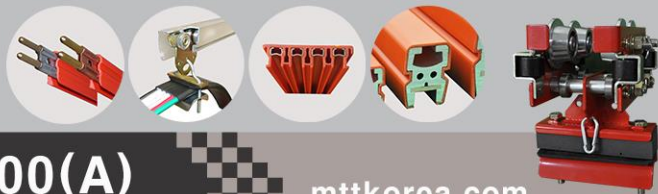


품명	허용전류 (A)	제품번호
Collector	1000 (A)	MS-HCL-1000



품명	제품번호
Carbon Head	MS-HCH-500
Carbon	MS-HCB-500

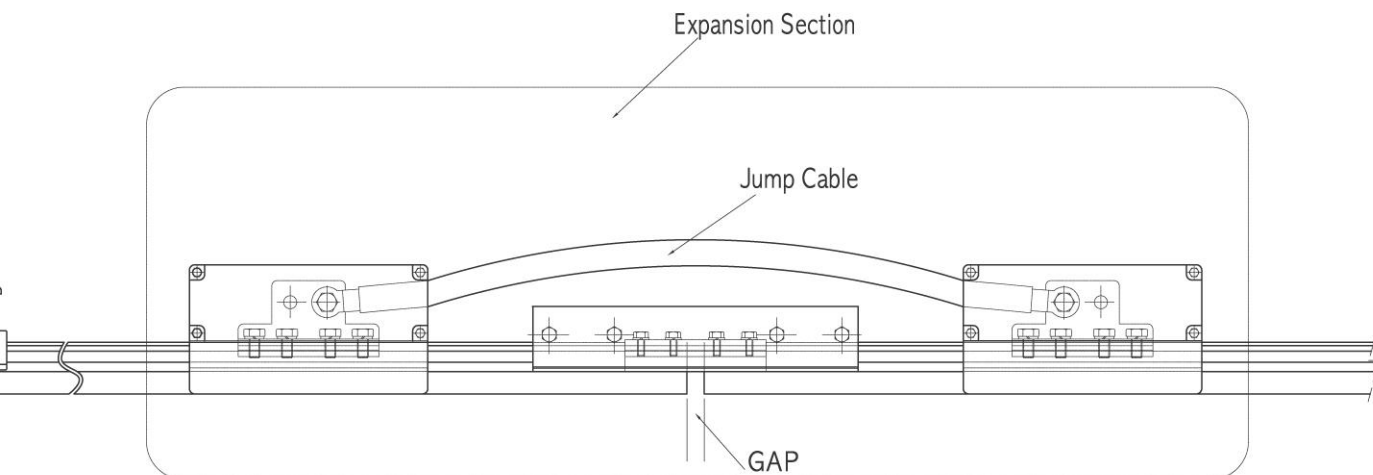




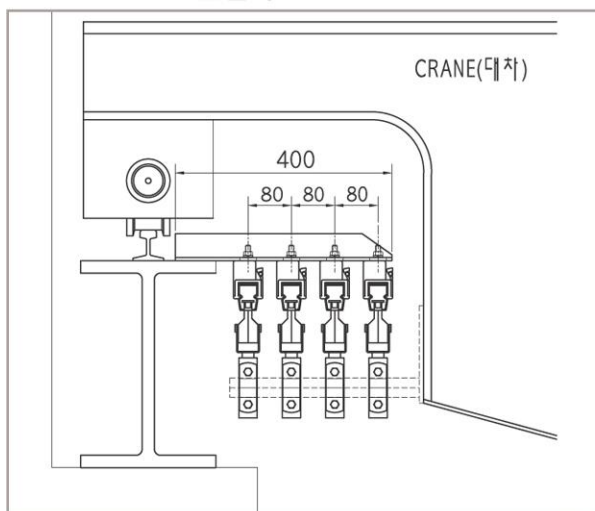
HEAVY-BAR Series2 800-1000(A)

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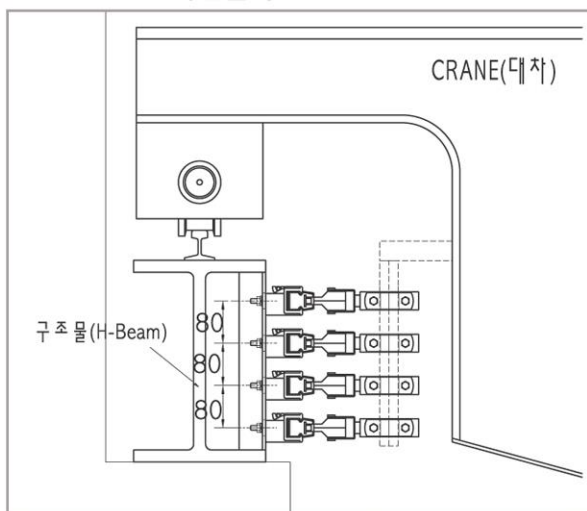
- 명신 Heavy-Bar는 고용량의 Crane, 대차, 운반물이송장치, 고속주행 및 분진이 많은 장소에 사용
- 전기적인 안정성과 시공의 간편성 경제성 유지보수가 손쉬운 특징

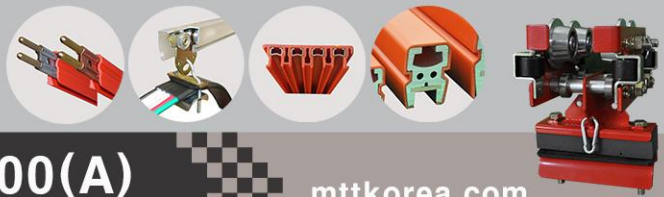


■ Bracket 표준설치도



■ Bracket 측면설치도

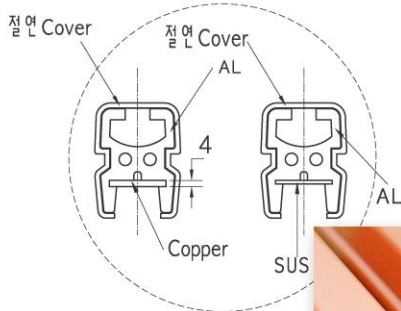
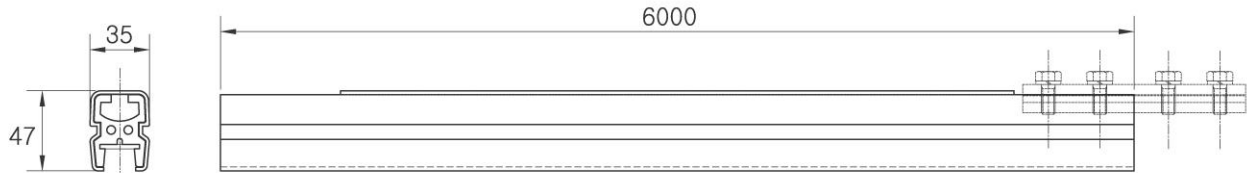




HEAVY-BAR Series2 800-1000(A)

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· Heavy-Bar 규격 및 사양



품명	허용전류 (A)	표준길이(m/m)	제품번호(일반용)	제품번호(내열용)	재질
Heavy Bar	800 (A)	3,000	MS-NHB-800A	MS-KNHB-800A	Aluminum/Copper
Heavy Bar	1000 (A)	3,000	MS-NHB-1000A	MS-KNHB-1000A	Aluminum/Copper

■ 각종 금속의 도전을 및 저항률

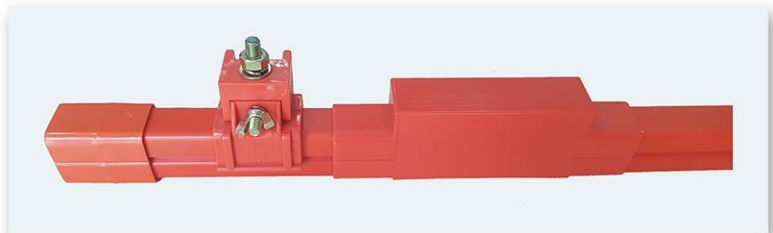
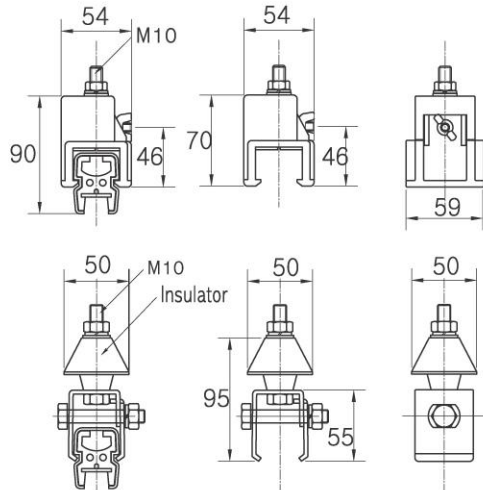
(자료출처 전기공사실무 데이터북 P1-7)

금속의 종류	도전율(%)	저항률(MΩ cm)	표준연동을 1로 할때의 저항률의 비
은	106	1.62	0.94
표준연동	100	1.7241	1.00
금	71.8	1.39	1.39
알루미늄	62.7	2.75	1.60
황동	24.6~34.5	5~7	2.90~4.06

용량산출근거(예:1000A)

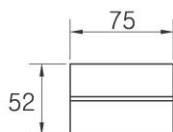
- 전기용 sq당 3(A) : $57sq \times 3 = 171(A)$
- 알루미늄 sq당 1.4(A) : $617sq \times 1.4 = 863(A)$
- 합계용량 알루미늄 863(A)+동 171(A)=1034(A)

· Hanger Clamp 규격 및 사양



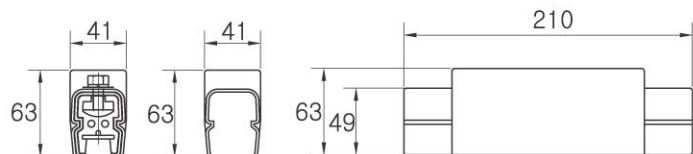
품명	제품번호	재질
Hanger Clamp	MS-HCL-210	PVC
Hanger Clamp	MS-HCL-220	에폭시/Steel

· End Cap 규격 및 사양

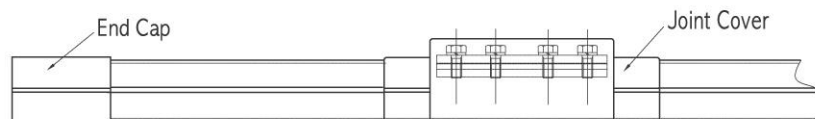


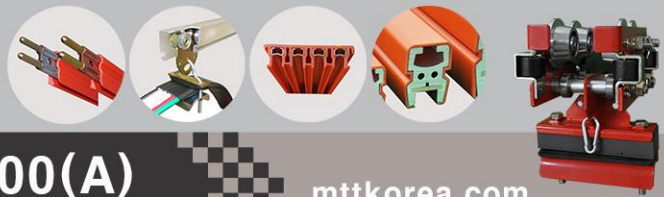
품명	제품번호	재질
End Cap	MS-HEC-210	PVC

· Joint Cover 규격 및 사양



품명	제품번호	재질
Joint Cover	MS-HJC-210	PVC

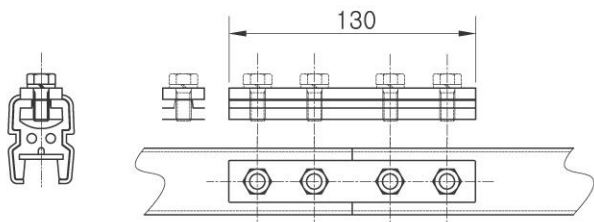




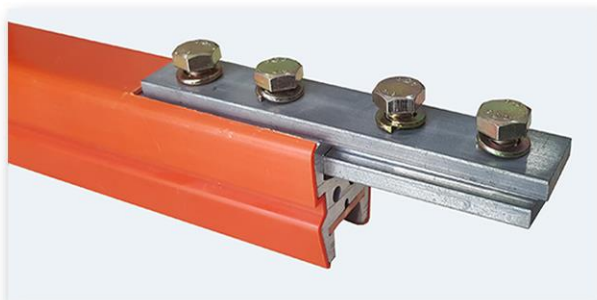
HEAVY-BAR Series2 800-1000(A)

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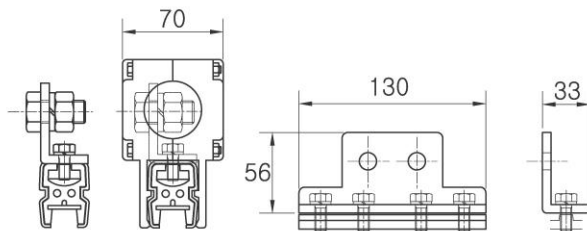
· Joint Keeper 규격 및 사양



품명	제품번호	재질
Joint Keeper	MS-HJK-210	Copper 합금



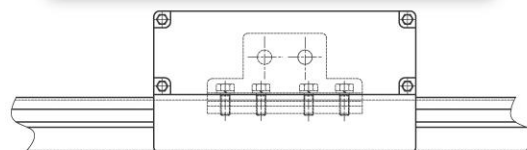
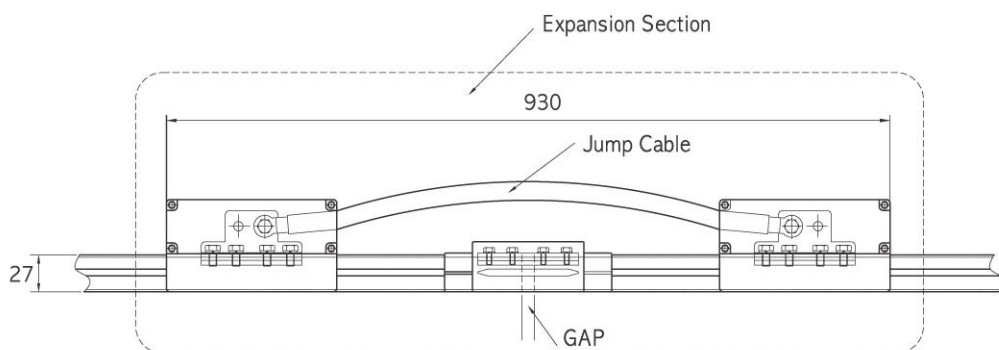
· Power Feed 규격 및 사양



품명	제품번호	재질
Power Feed	MS-HPF-210	PVC/Copper

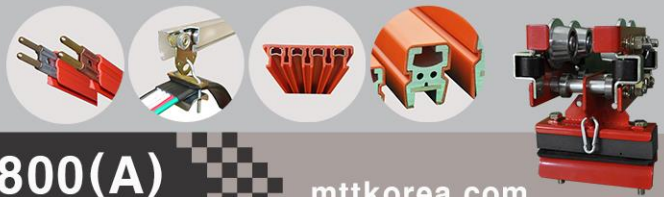


· Expansion Section 규격 및 사양



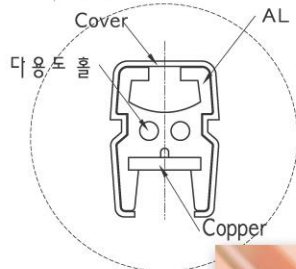
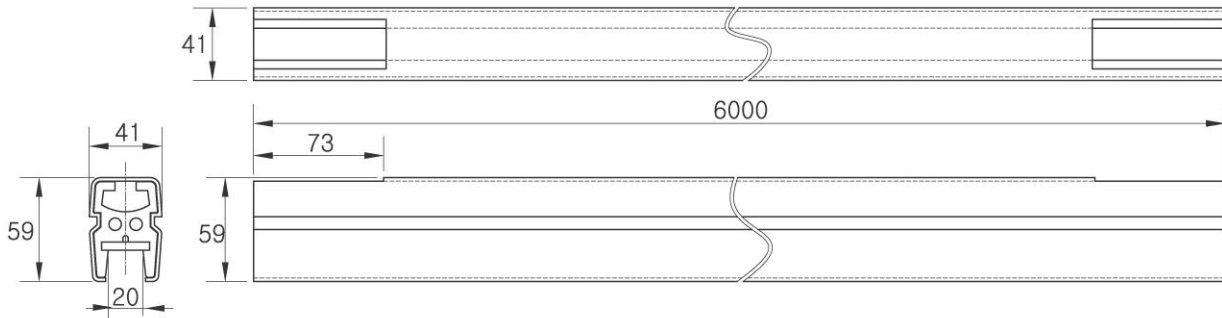
품명	허용전류 (A)	제품번호
Expansion Section	800 (A)	MS-HES-800A
Expansion Section	1000 (A)	MS-HES-1000A





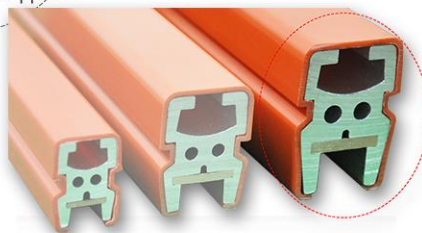
HEAVY-BAR Series3 1200-1800(A)

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- HEAVY-BAR 내열용 Cover는 폴리카보나이트 재질로 고열에 우수함
- 일반형 Bar Cover 재질은 PVC

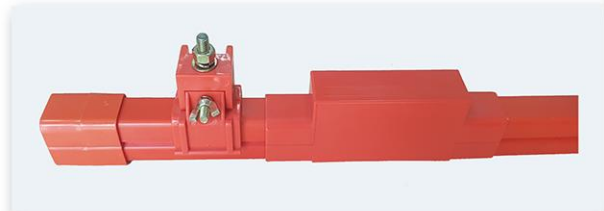
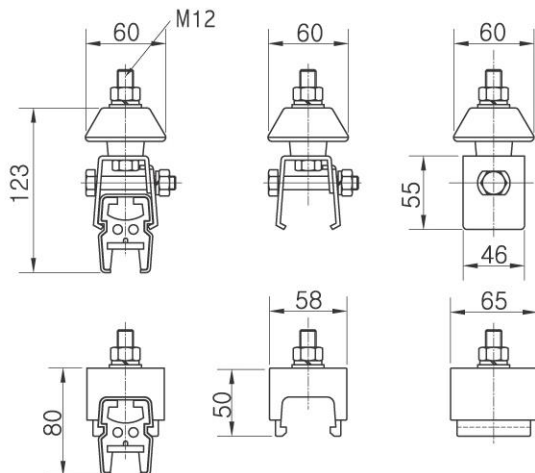
품명	허용전류 (A)	표준길이(m/m)	제품번호(일반형)	제품번호(내열용)	재질
Heavy Bar	1200 (A)	6,000	MS-NHB-1200A	MS-KNHB-1200A	Aluminum/Copper
Heavy Bar	1500 (A)	6,000	MS-NHB-1500A	MS-KNHB-1500A	Aluminum/Copper
Heavy Bar	1800 (A)	6,000	MS-NHB-1800A	MS-KNHB-1800A	Aluminum/Copper



■ 각종 금속의 도전율 및 저항률 (자료출처 전기공사실무 데이터북 P1-7)

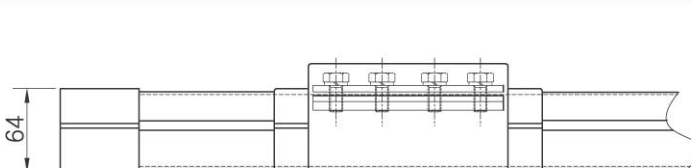
금속의 종류	도전율(%)	저항률(MΩ cm)	표준연동을 1로 할때의 저항률의 비
은	106	1.62	0.94
표준연동	100	1.7241	1.00
금	71.8	1.39	1.39
알루미늄	62.7	2.75	1.60
황동	24.6~34.5	5~7	2.90~4.06

· Hanger Clamp 규격 및 사양



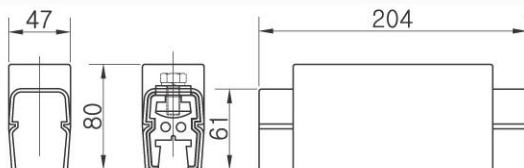
품명	제품번호	재질
Hanger Clamp	MS-HCL-310	PVC
Hanger Clamp	MS-HCL-320	예폭시/Steel

· End Cap 규격 및 사양

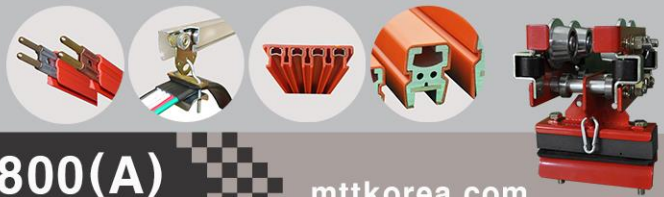


품명	제품번호
End Cap	MS-HEC-310

· Joint Cover 규격 및 사양



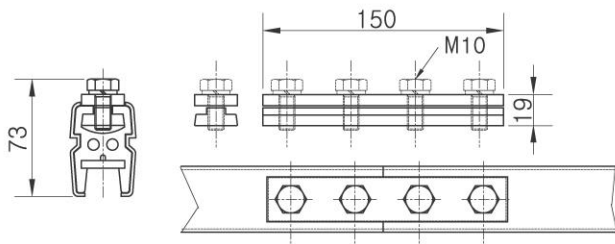
품명	제품번호	재질
Joint Cover	MS-HJC-310	PVC



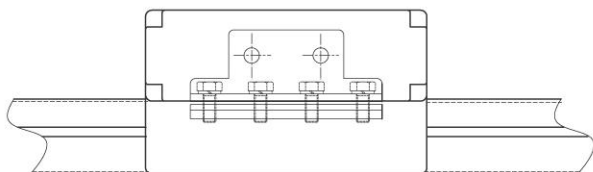
HEAVY-BAR Series3 1200-1800(A)

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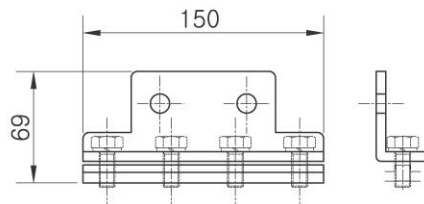
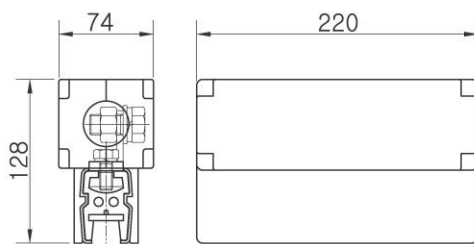
· Joint Keeper 규격 및 사양



품명	제품번호	재질
Joint Keeper	MS-HJK-310	Copper 합금



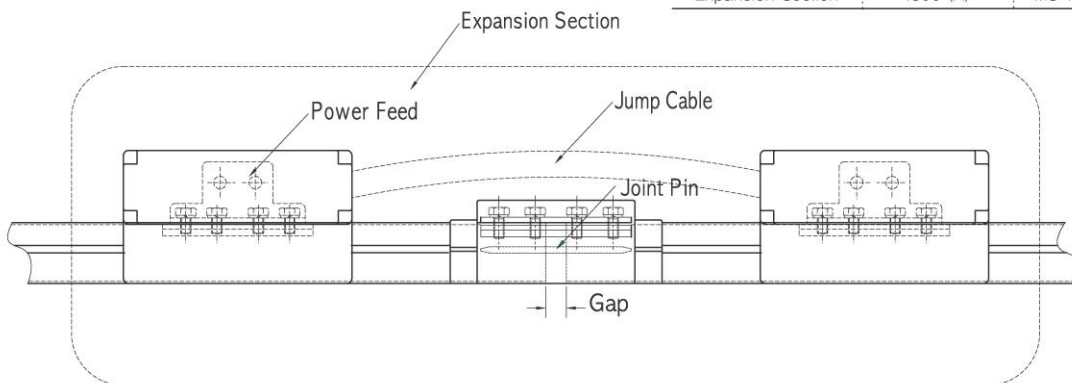
· Power Feed 규격 및 사양

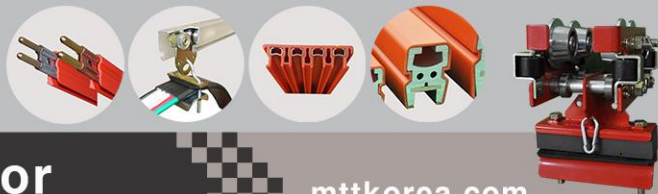


품명	제품번호	재질
Power Feed	MS-HPF-310	PVC/Copper

· Expansion Section 규격 및 사양

품명	허용전류 (A)	제품번호
Expansion Section	1200 (A)	MS-HES-1200A
Expansion Section	1500 (A)	MS-HES-1500A
Expansion Section	1800 (A)	MS-HES-1800A



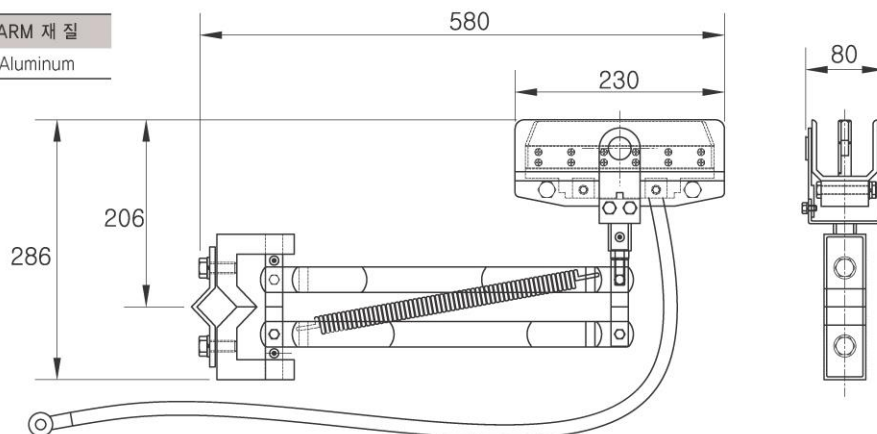


HEAVY-BAR Series3 Collector

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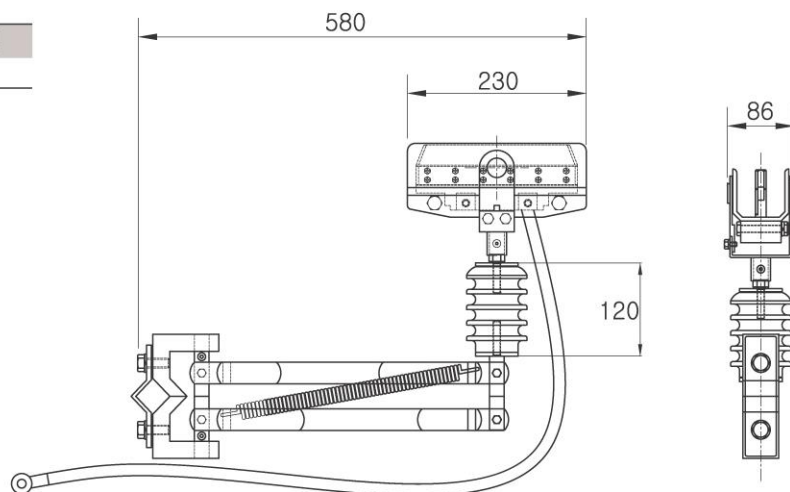
· Collector 규격 및 사양

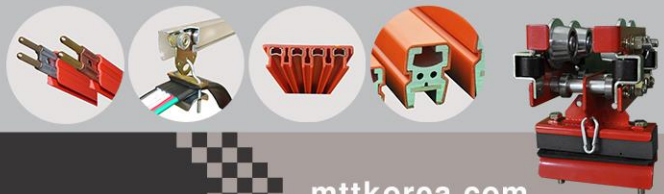
품 명	제품번호	ARM 재 질
Collector(일반형)	MS-HCL3-800	Aluminum



· Collector(애자부착형) 규격 및 사양

품 명	제품번호	ARM 재 질
Collector(애자부착형)	MS-HCL3-800(I)	Aluminum

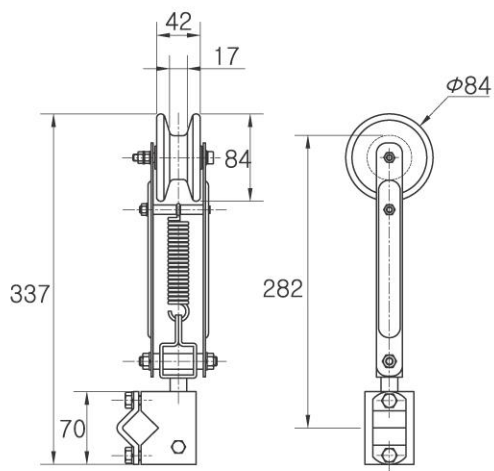




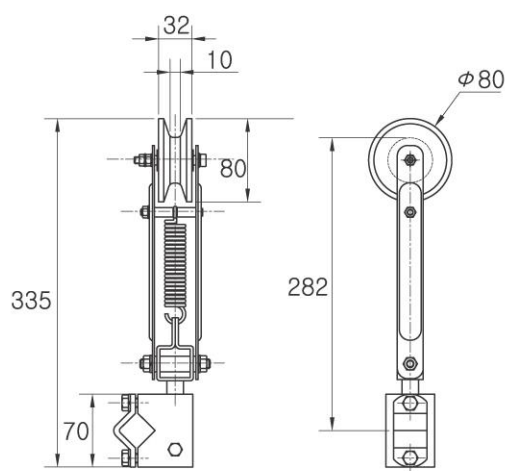
나동선 Trolley & Insulator

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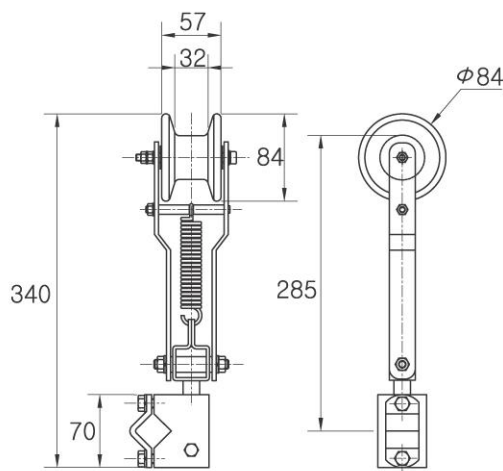
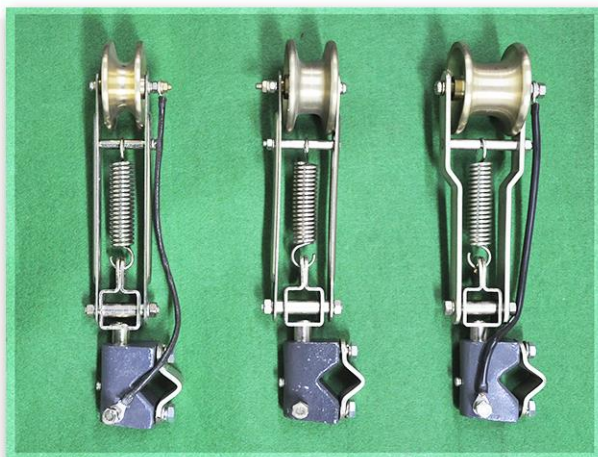
· 나동선 Trolley 규격 및 사양



품명	제품번호	재질
나동선 Trolley	MS-NTR10-4284	Brass/Steel

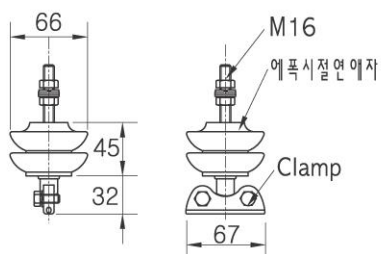


품명	제품번호	ARM 재질
나동선 Trolley	MS-NTR20-3280	Brass/Steel

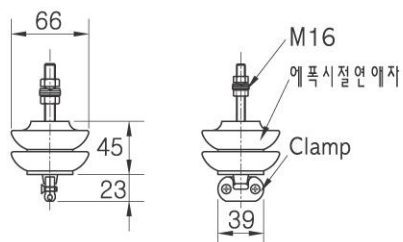


품명	제품번호	ARM 재질
나동선 Trolley	MS-NTR30-5784	Brass/Steel

· 나동선 Insulator & Clamp 규격 및 사양



품명	제품번호	ARM 재질
나동선애자	MS-NIS10-104	Brass/에폭시



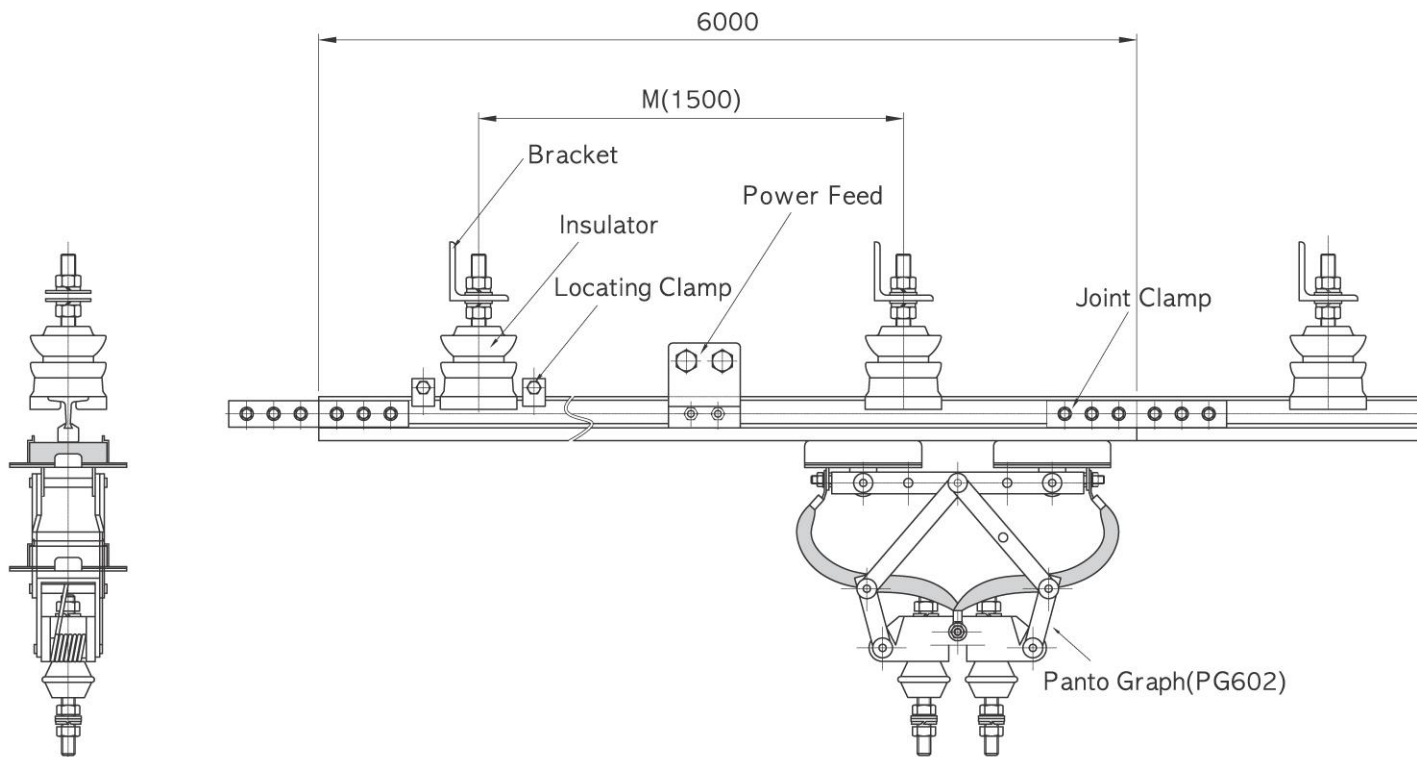
품명	제품번호	ARM 재질
Collector(일반형)	MS-NIS20-60	Brass/에폭시



RAIL - BAR 구성도 및 설치도

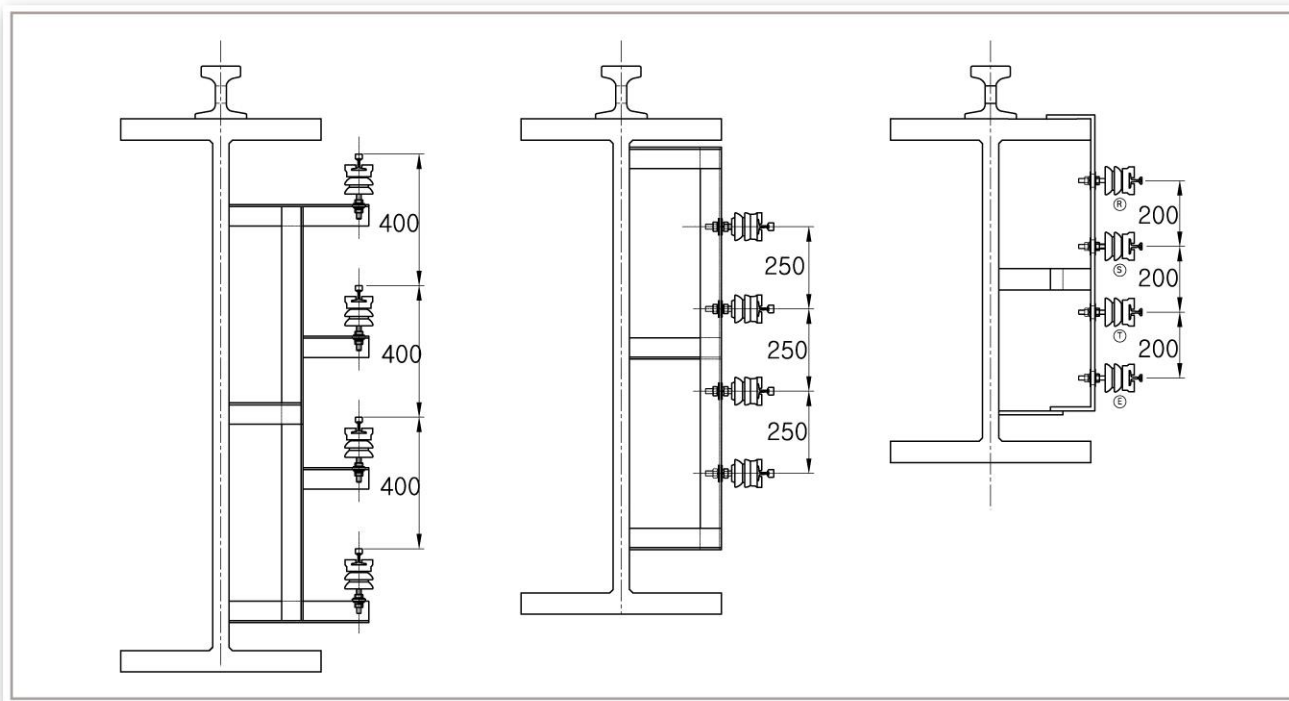
mttkorea.com

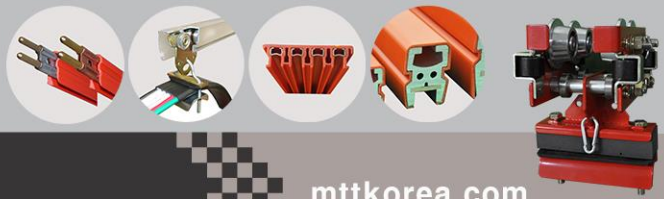
· 강제 Rail Bar 구성도



■ 표준Bracket(상부압박식)

■ 표준Bracket(측벽식)

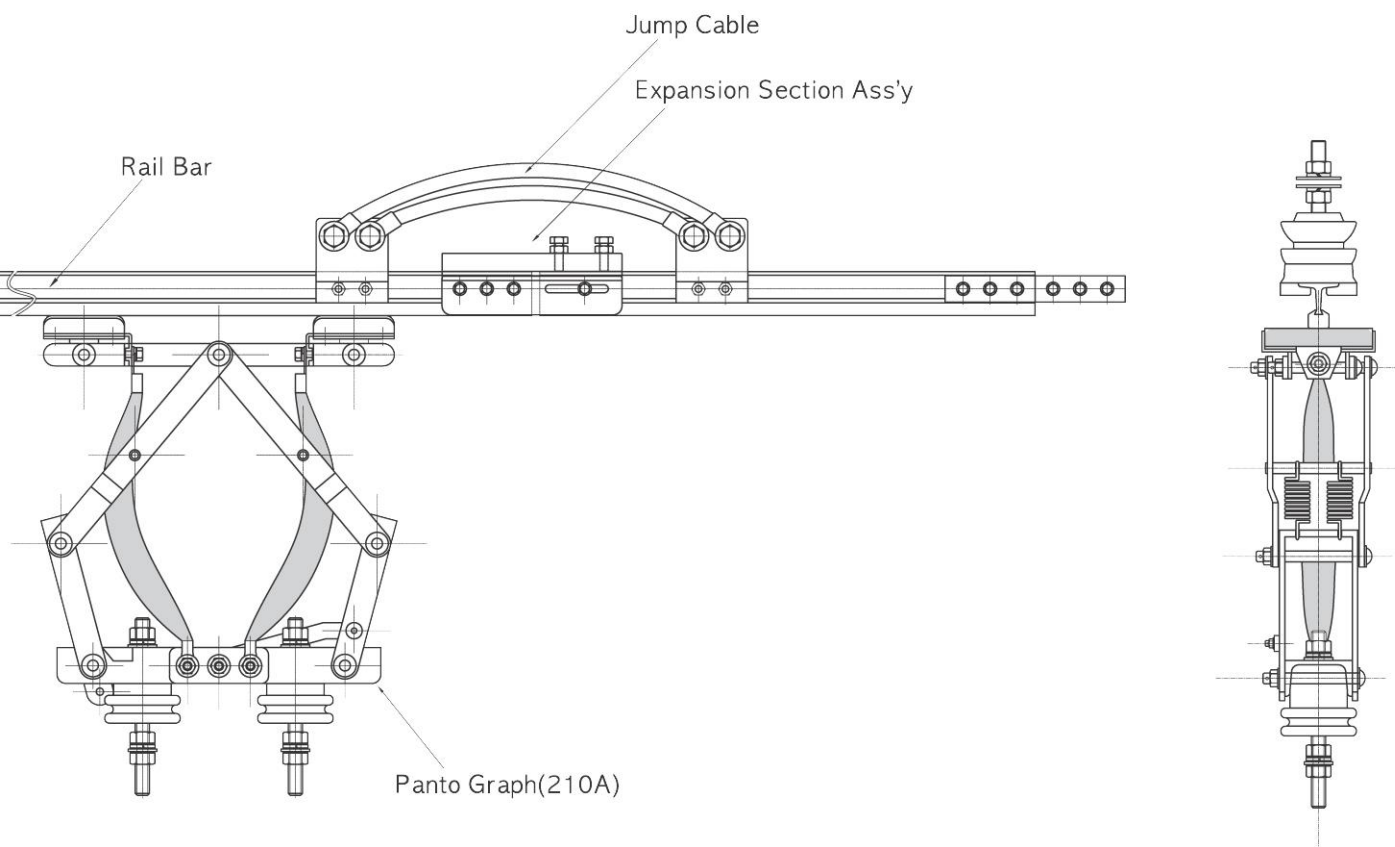




RAIL-BAR 구성도 및 설치도

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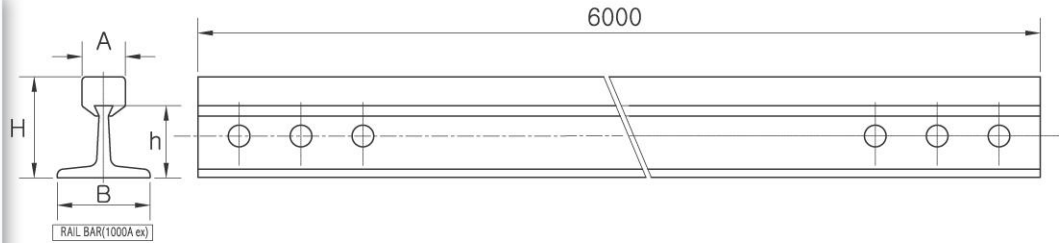
- 내식성이 우수하며 영구적인 수명
- 적용범위가 넓고 시공이 간편함
- 고용량 CRANE 고속주행에 적합



Rail-Bar

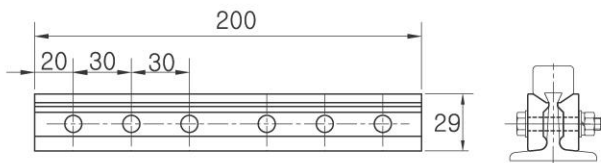


· Rail-Bar 규격 및 사양



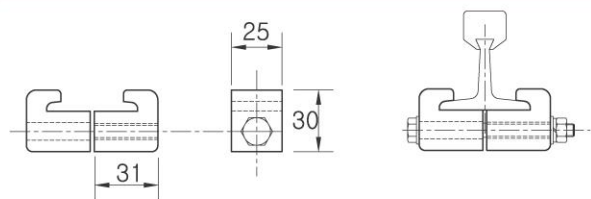
제 품 명	허용전류(A)	제품번호	표준길이(m/m)	중량(SB/CH)kg	A(m/m)	B(m/m)	h(m/m)	H(m/m)	Copper sq	Steel sq	재질(Body/Head)
RAIL BAR	300	MS-SRB-45/300	6,000	25.4(20/5.4)	17(m/m)	45(m/m)	35(m/m)	39(m/m)	100	404	Steel/Copper
RAIL BAR	500	MS-SRB-45/500	6,000	29(20/9)	19(m/m)	45(m/m)	35(m/m)	41.8(m/m)	167	404	Steel/Copper
RAIL BAR	800	MS-SRB-45/800	6,000	34.4(20/14.4)	20(m/m)	45(m/m)	35(m/m)	46.5(m/m)	267	404	Steel/Copper
RAIL BAR	1000	MS-SRB-45/1000	6,000	38(20/18)	21(m/m)	45(m/m)	35(m/m)	49(m/m)	334	404	Steel/Copper
RAIL BAR	1200	MS-SRB-45/1200	6,000	41.6(20/21.6)	23(m/m)	45(m/m)	35(m/m)	50.5(m/m)	400	404	Steel/Copper
RAIL BAR	1500	MS-SRB-45/1500	6,000	47(20/27)	25(m/m)	45(m/m)	35(m/m)	53(m/m)	500	404	Steel/Copper
RAIL BAR	2000	MS-SRB-45/2000	6,000	56(20/36)	29(m/m)	45(m/m)	35(m/m)	56(m/m)	667	404	Steel/Copper

- Joint Clamp



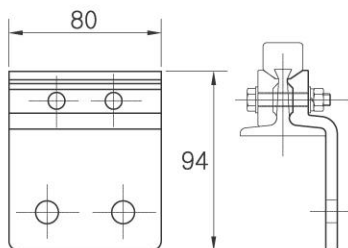
제 품 명	제품번호	재 질
Joint Clamp	MSPB-RJC-10/300~2000	Brass

- **Locating Clamp**



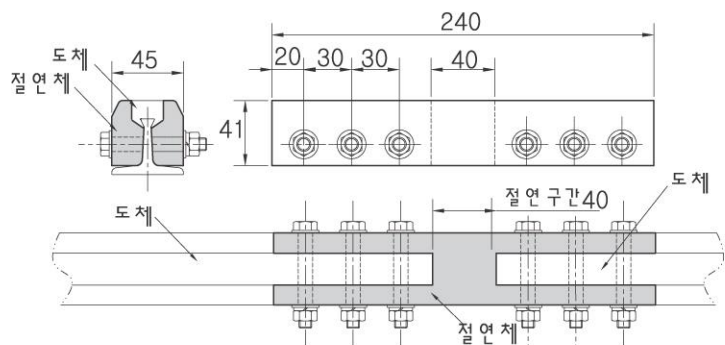
제 품 명	제품번호	재 질
Locating Clamp	MSPB-RLC-10	Brass

- **Power Feed**



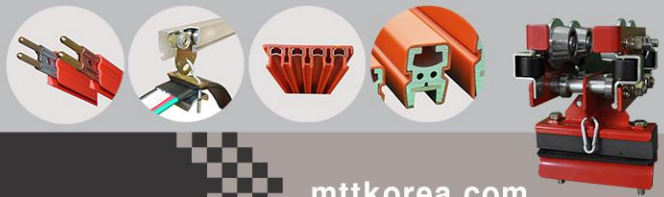
제 품 명	제품번호	재 질
Power Feed	MSPB-RPF-10/300~2000	Brass

Section



제 품 명	제품번호	재 질
Section	MSPB-RST-10/300~2000	절연체

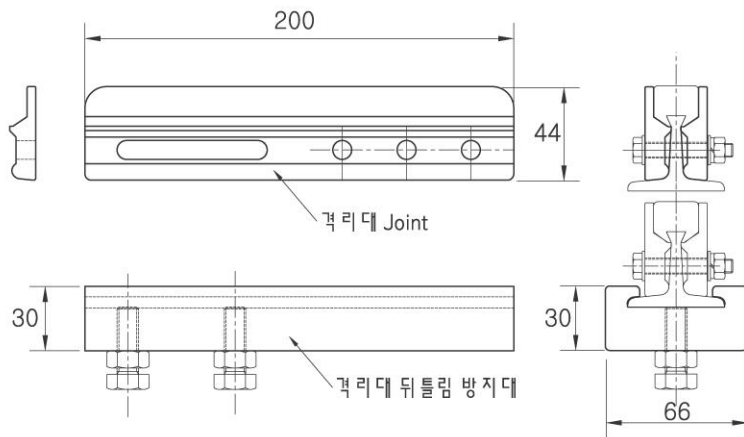




RAIL - BAR 규격 및 사양

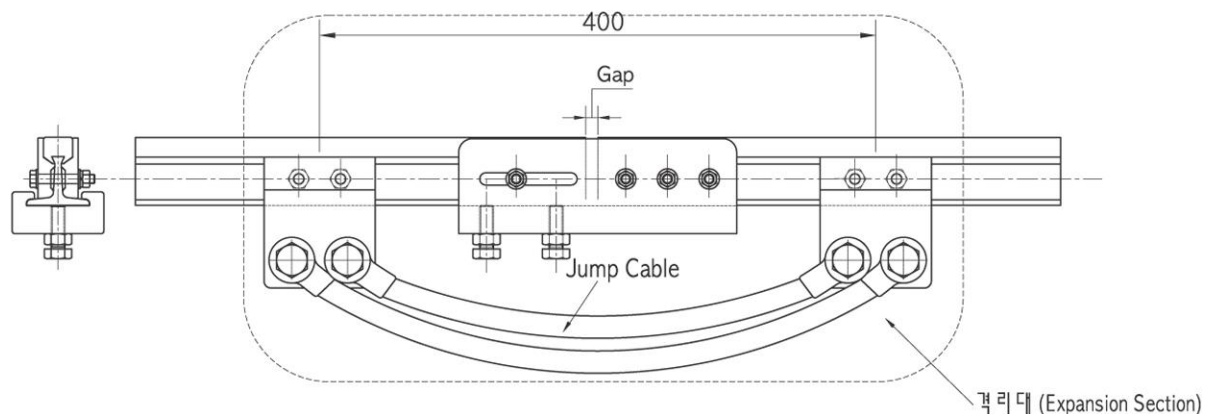
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· Expansion Section

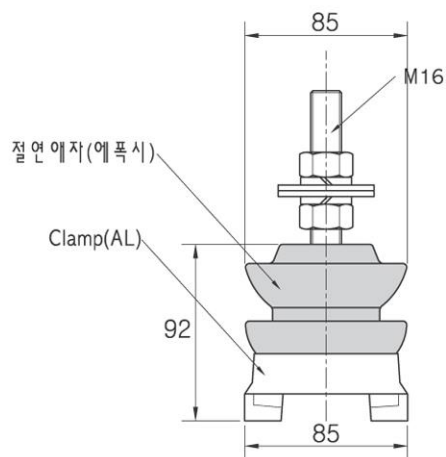


제 품 명	제품번호	재 질
Expansion Section	MSPB-RES-300	Brass
Expansion Section	MSPB-RES-500	Brass
Expansion Section	MSPB-RES-800	Brass
Expansion Section	MSPB-RES-1000	Brass
Expansion Section	MSPB-RES-1200	Brass
Expansion Section	MSPB-RES-1500	Brass
Expansion Section	MSPB-RES-2000	Brass

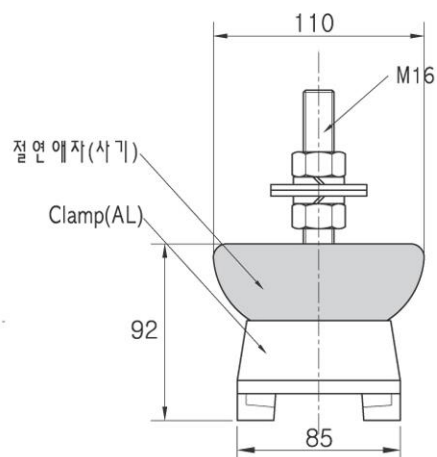
- 설치구간은 주행거리 30~50M 간격으로 설치
- Power Feed는 가급적 중앙에 설치
- 주위온도 변화로 Bar의 휘어짐을 방지함
- 격리대는 설치시 주위온도에 따라 팽창을 흡수하기 위하여 띄우는 격간(Setting Gap)이 달라집니다.



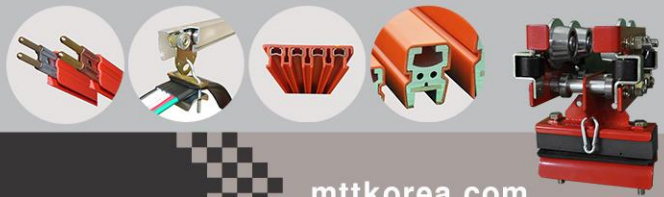
· Insulator 규격 및 사양



INSULATOR-RIS-10



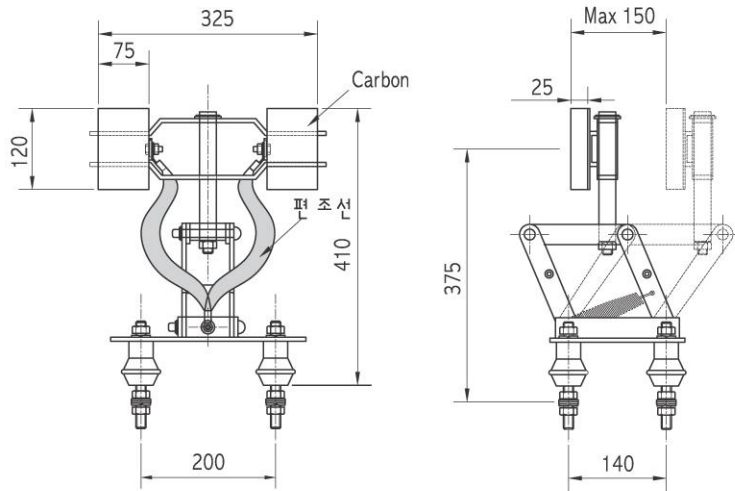
INSULATOR-RIS-20



PANTO GRAPH 규격 및 사양

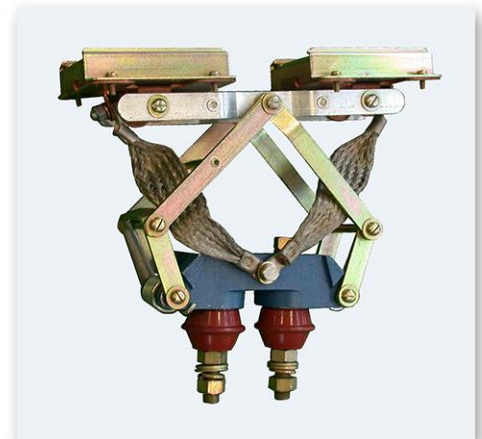
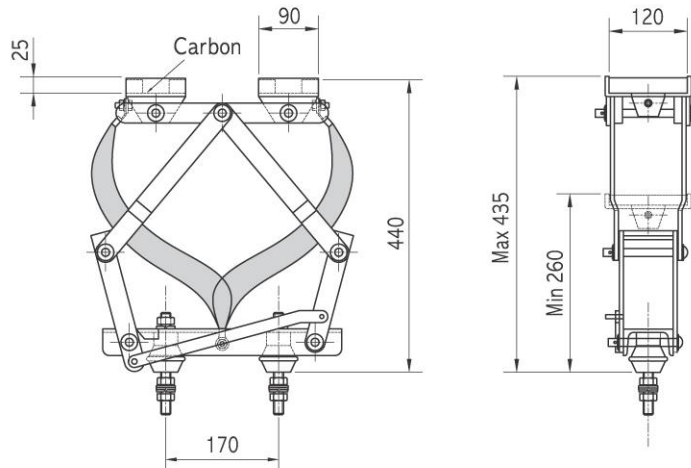
mttkorea.com

· PG-100



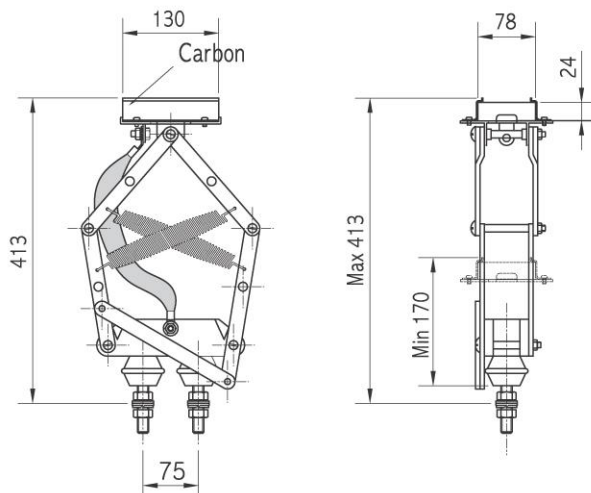
품명	제품번호	용량
Panto Graph	MS-PG-100	500~1200(A)

· PG-200

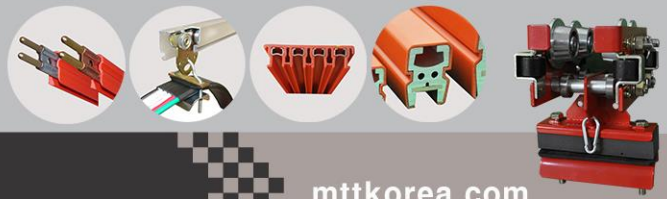


품명	제품번호	용량
Panto Graph	MS-PG-200	500~1200(A)

· PG-300



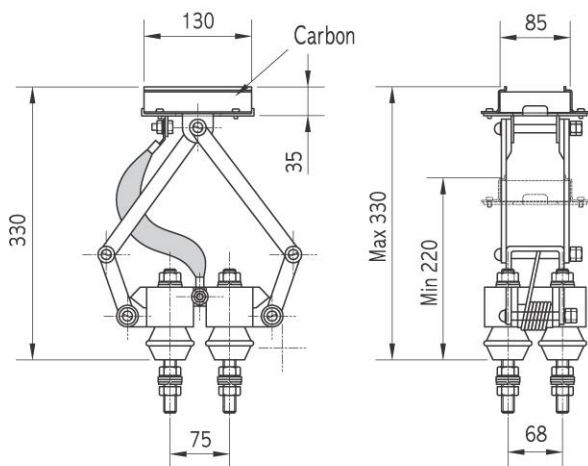
품명	제품번호	용량
Panto Graph	MS-PG-300	300~500(A)



PANTO GRAPH 규격 및 사양

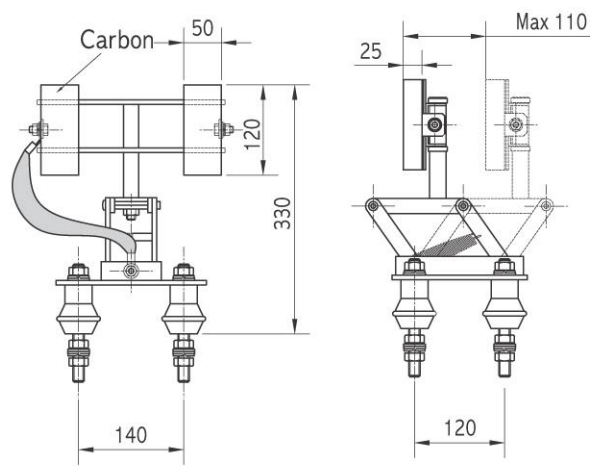
mttkorea.com

· PG-400



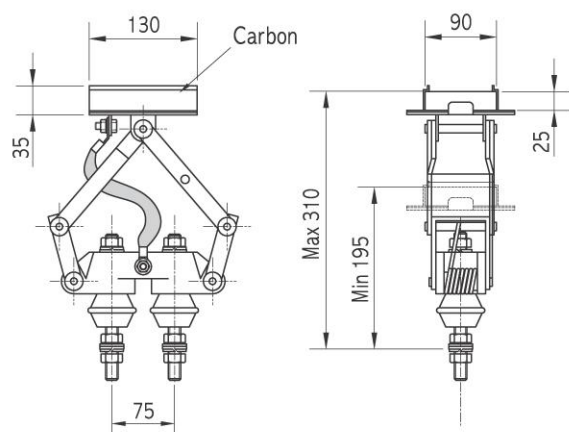
품명	제품번호	용량
Panto Graph	MS-PG-400	300~500(A)

· PG-500



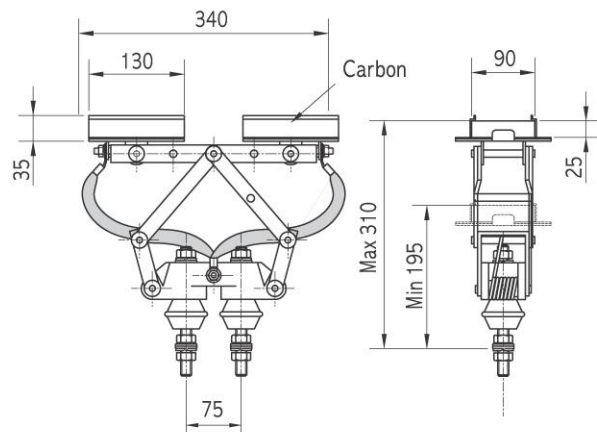
품명	제품번호	용량
Panto Graph	MS-PG-500	500~1000(A)

· PG-600



품명	제품번호	용량
Panto Graph	MS-PG-600	300~500(A)

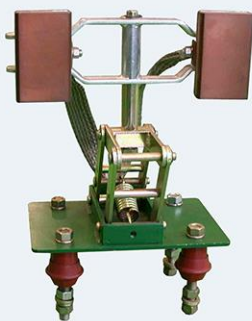
· PG-602



품명	제품번호	용량
Panto Graph	MS-PG-602	500~1000(A)



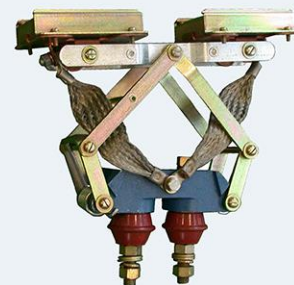
PG-400



PG-500



PG-600

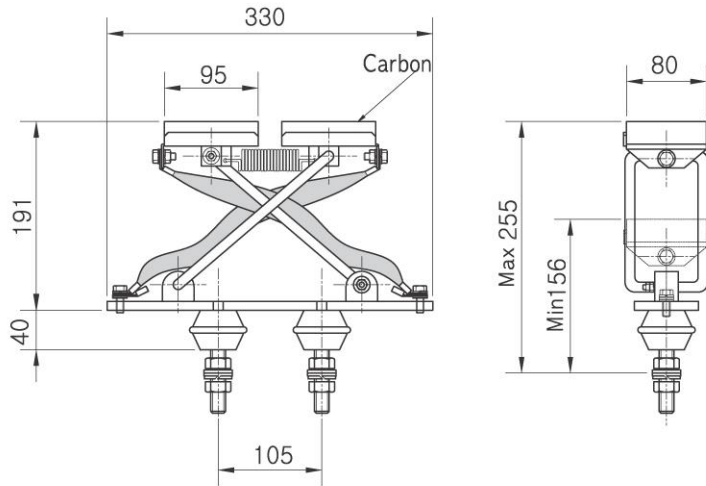


PG-602

PANTO GRAPH 규격 및 사양

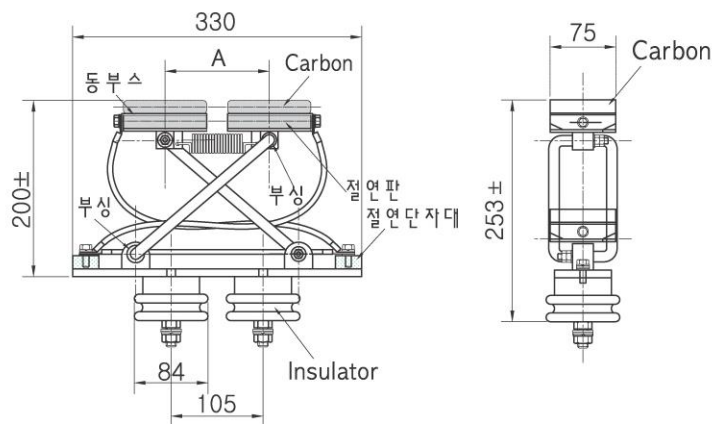
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· PG-700



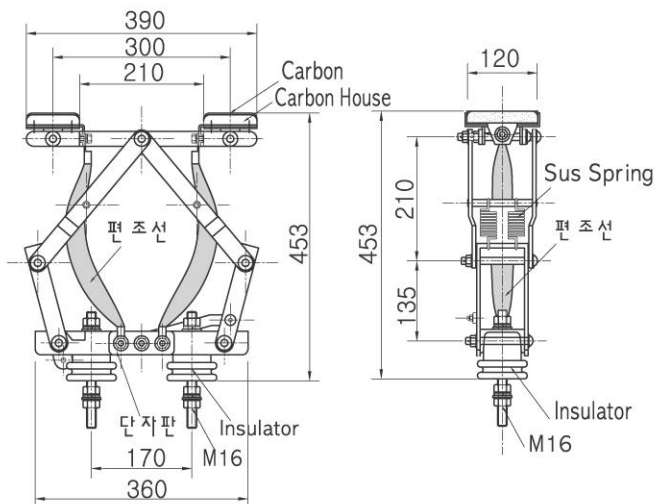
품명	제품번호	용량
Panto Graph	MS-PG-700	300~800(A)

· PG-702



품명	제품번호	용량
Panto Graph	MS-PG-702	300~800(A)

· PG-210A

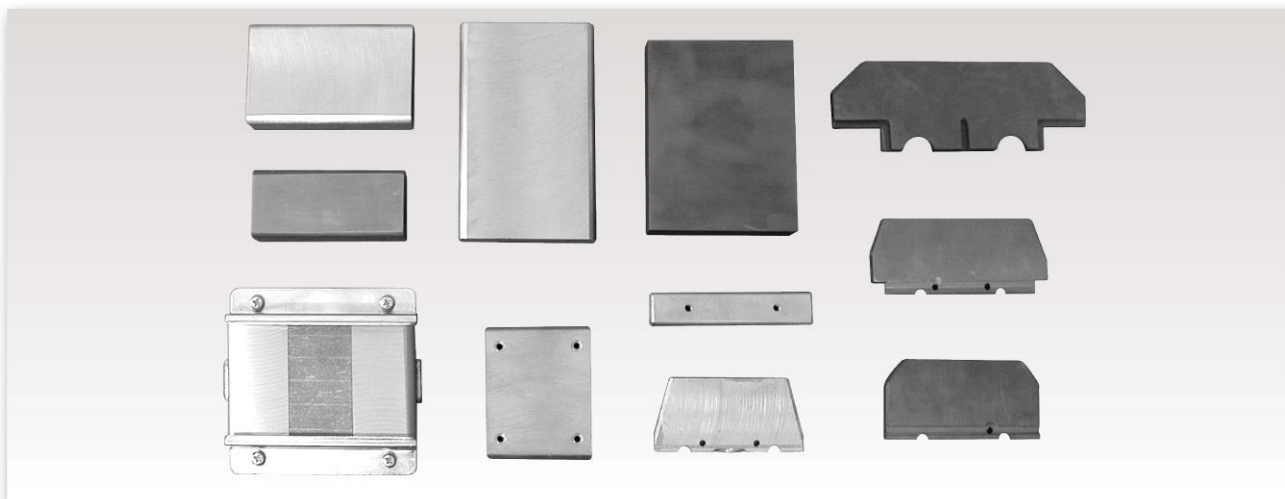
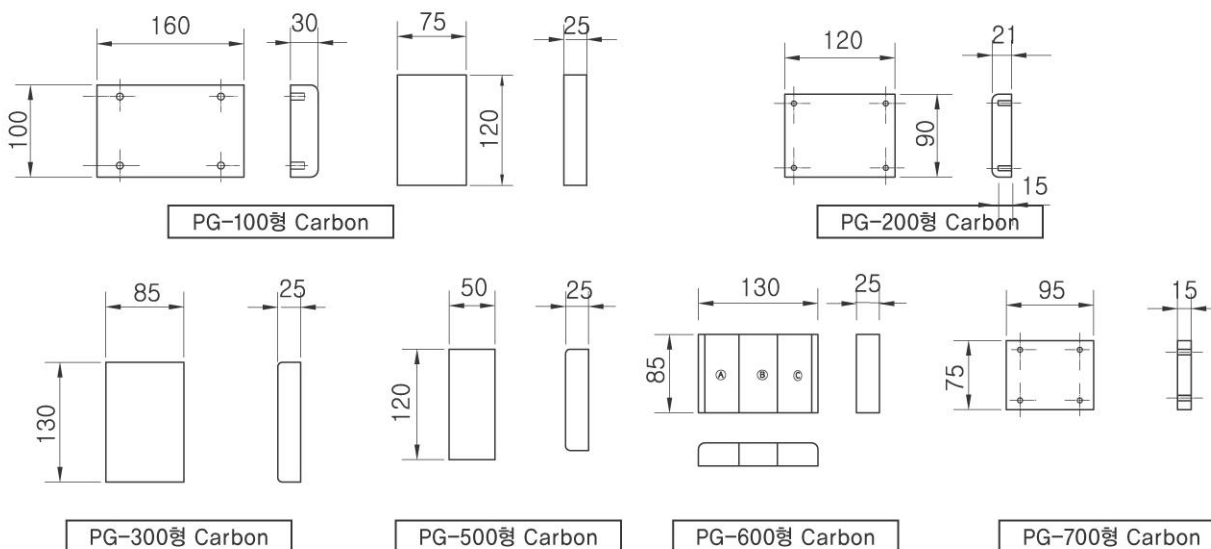


품명	제품번호	용량
Panto Graph	MS-PG-210A	500~1000(A)

PANTO GRAPH 규격 및 사양

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· Panto Graph-Carbon

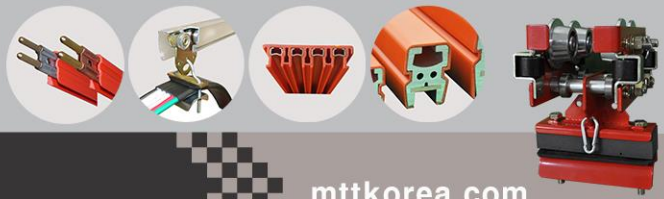


· 접지용 Panto Graph



품명	제품번호	용량
접지용 Panto Graph	MS-PG-602E	600~800

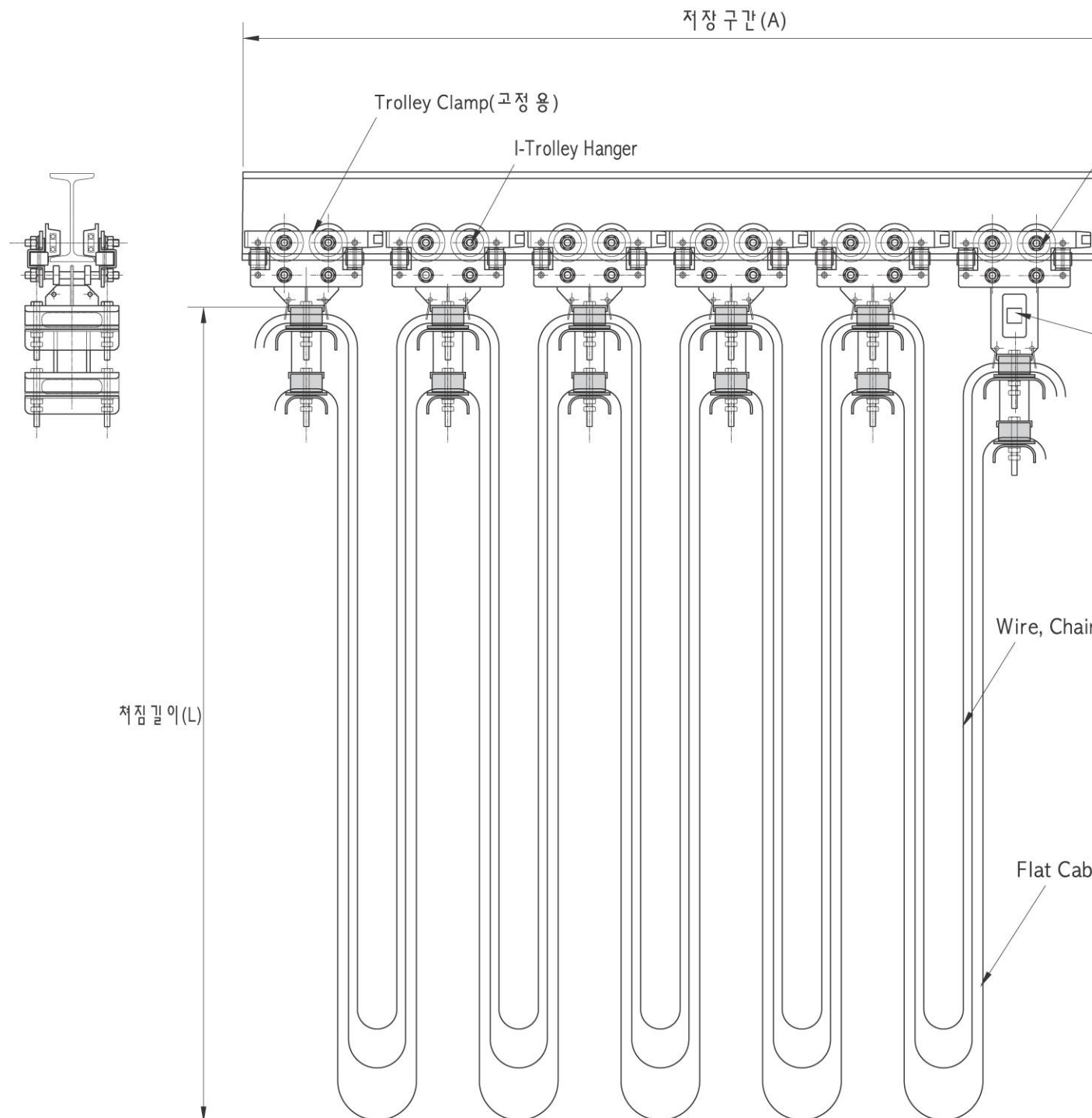


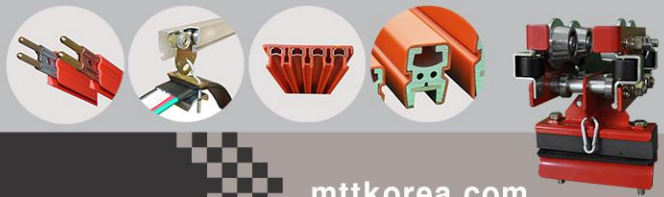


TROLLEY-HANGER System

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· I-Trolley Hanger System의 구성도





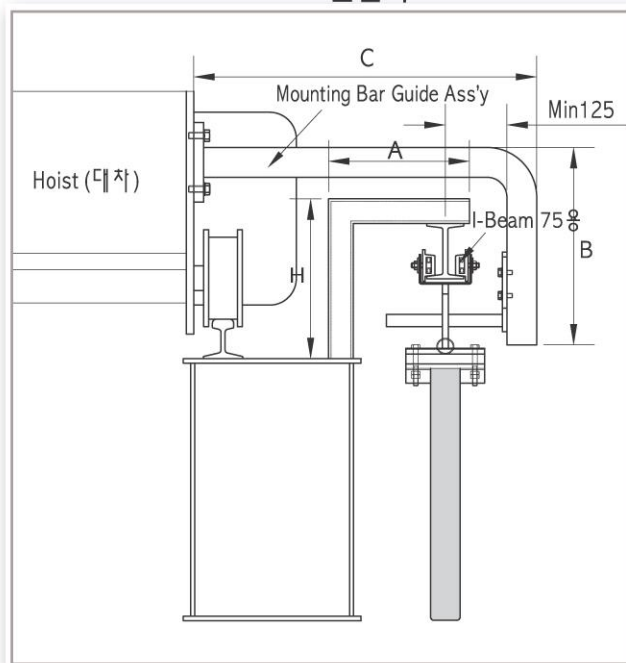
TROLLEY-HANGER System

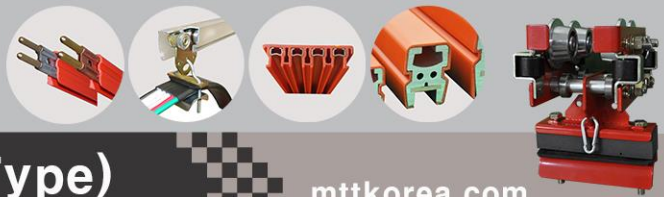
mttkorea.com

명신 Trolley Hanger System은 H 및 I-Beam에 장착되는 전선 Cable 및 호스운반용 행거장치이다.
이 Cable Trolley는 안전하게 설계되어 있어 어느 방향에서든지 비정상적인 힘이 가해져도 그 기능이 충분히 발휘되며
원형케이블이나 Flat Cable 중 어느 것이나 사용할 수 있으며 단지 동일용량의 Cable이라면 굽힘현상이
우수한 Flat Cable이 유리하다.

I-Trolley Hanger(Lead 옹)

■ 표준설치도

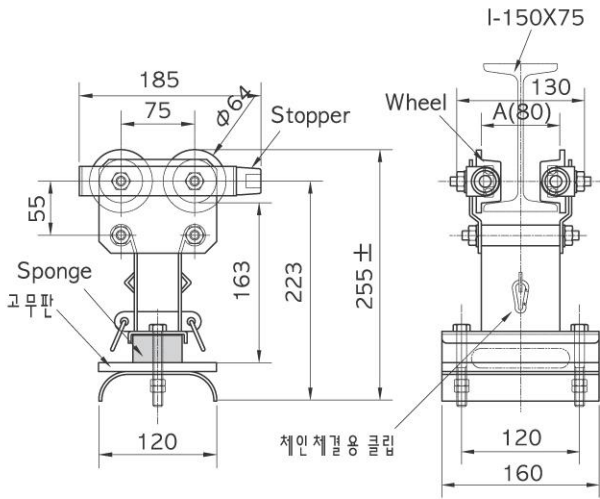




TROLLEY-HANGER (ITR-1 Type)

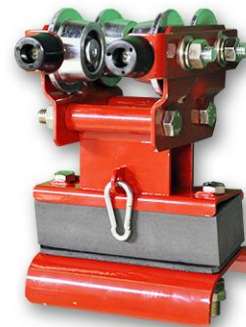
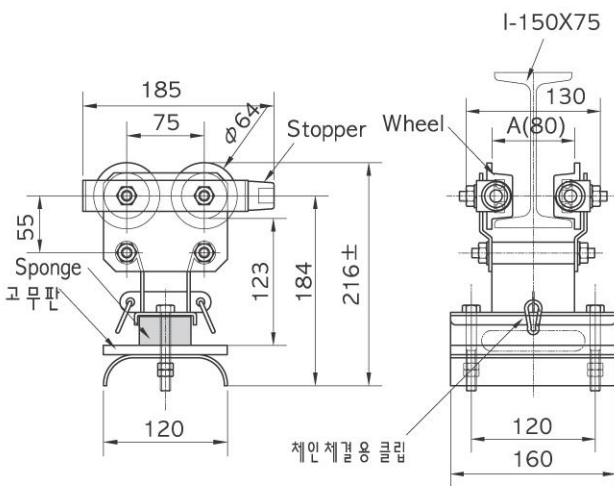
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· I-Beam Lead Trolley 규격 및 사양



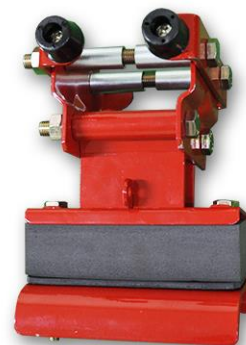
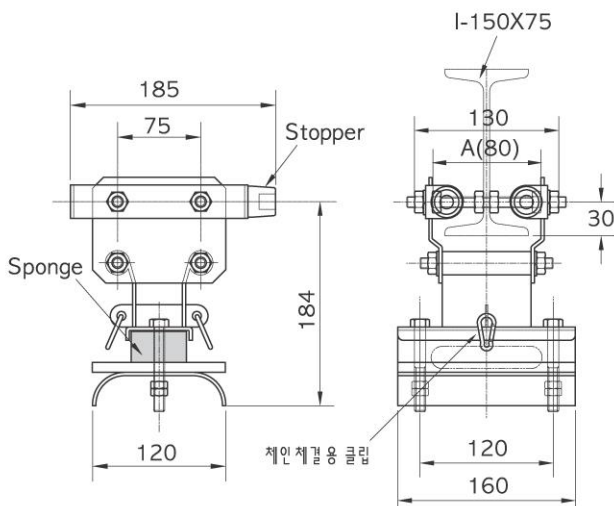
제품명	제품번호(1열용)	제품번호(2열용)	A	용도
I-Beam Lead Trolley	MS-ILT-001-75	MS-ILT-002-75	80	I-Beam 75용
I-Beam Lead Trolley	MS-ILT-001-100	MS-ILT-002-100	105	I-Beam 100용
I-Beam Lead Trolley	MS-ILT-001-125	MS-ILT-002-125	130	I-Beam 125용
I-Beam Lead Trolley	MS-ILT-001-150	MS-ILT-002-150	155	I-Beam 150용

· I-Beam Trolley 규격 및 사양

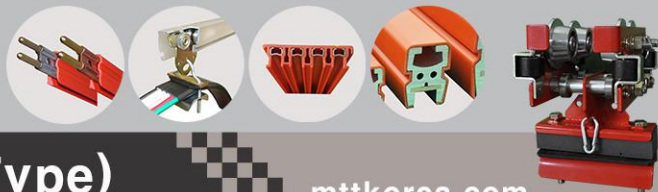


제품명	제품번호(1열용)	제품번호(2열용)	A	용도
I-Beam Trolley	MS-ITR-001-75	MS-ITR-002-75	80	I-Beam 75용
I-Beam Trolley	MS-ITR-001-100	MS-ITR-002-100	105	I-Beam 100용
I-Beam Trolley	MS-ITR-001-125	MS-ITR-002-125	130	I-Beam 125용
I-Beam Trolley	MS-ITR-001-150	MS-ITR-002-150	155	I-Beam 150용

· I-Beam Track Clamp 규격 및 사양



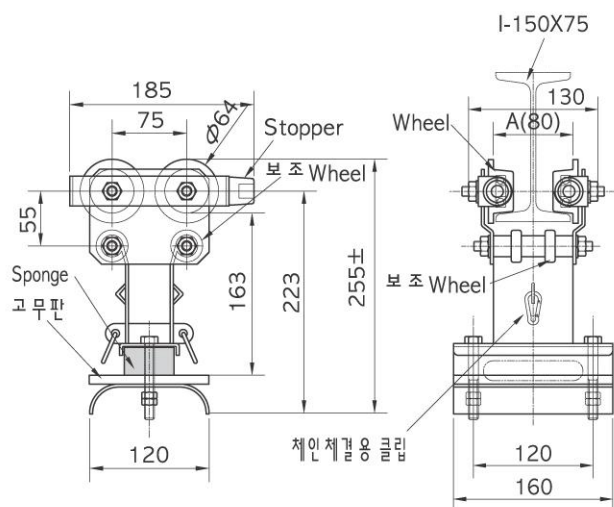
제품명	제품번호(1열용)	제품번호(2열용)	A	용도
I-Beam Track Clamp	MS-ITC-001-75	MS-ITC-002-75	80	I-Beam 75용
I-Beam Track Clamp	MS-ITC-001-100	MS-ITC-002-100	105	I-Beam 100용
I-Beam Track Clamp	MS-ITC-001-125	MS-ITC-002-125	130	I-Beam 125용
I-Beam Track Clamp	MS-ITC-001-150	MS-ITC-002-150	155	I-Beam 150용



TROLLEY-HANGER (ITR-2 Type)

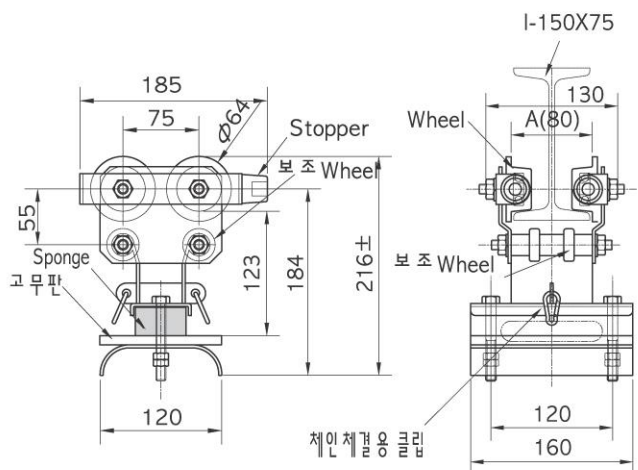
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· I-Beam Lead Trolley(보조휠부착형) 규격 및 사양



제품명	제품번호(1열용)	제품번호(2열용)	A	용도
I-Beam Lead Trolley(BB)	MS-ILT2-001-75	MS-ILT2-002-75	80	I-Beam 75용
I-Beam Lead Trolley(BB)	MS-ILT2-001-100	MS-ILT2-002-100	105	I-Beam 100용
I-Beam Lead Trolley(BB)	MS-ILT2-001-125	MS-ILT2-002-125	130	I-Beam 125용
I-Beam Lead Trolley(BB)	MS-ILT2-001-150	MS-ILT2-002-150	155	I-Beam 150용

· I-Beam Trolley(보조휠부착형) 규격 및 사양



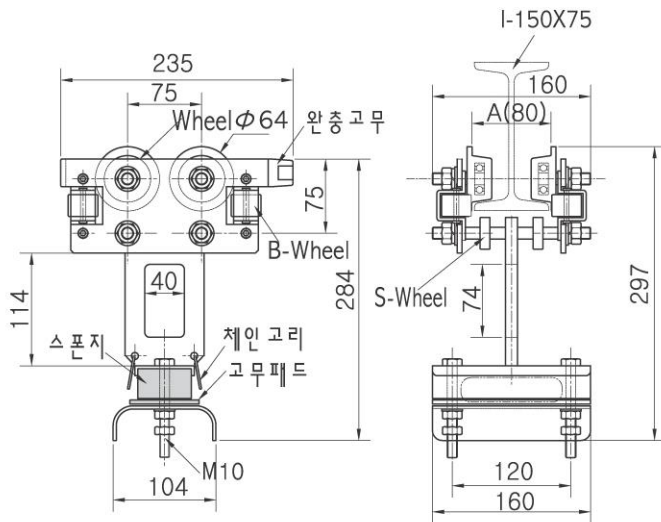
제품명	제품번호(1열용)	제품번호(2열용)	A	용도
I-Beam Trolley(BB)	MS-ITR2-001-75	MS-ITR2-002-75	80	I-Beam 75용
I-Beam Trolley(BB)	MS-ITR2-001-100	MS-ITR2-002-100	105	I-Beam 100용
I-Beam Trolley(BB)	MS-ITR2-001-125	MS-ITR2-002-125	130	I-Beam 125용
I-Beam Trolley(BB)	MS-ITR2-001-150	MS-ITR2-002-150	155	I-Beam 150용



TROLLEY-HANGER (ITR-3 Type)

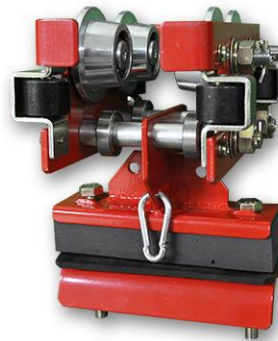
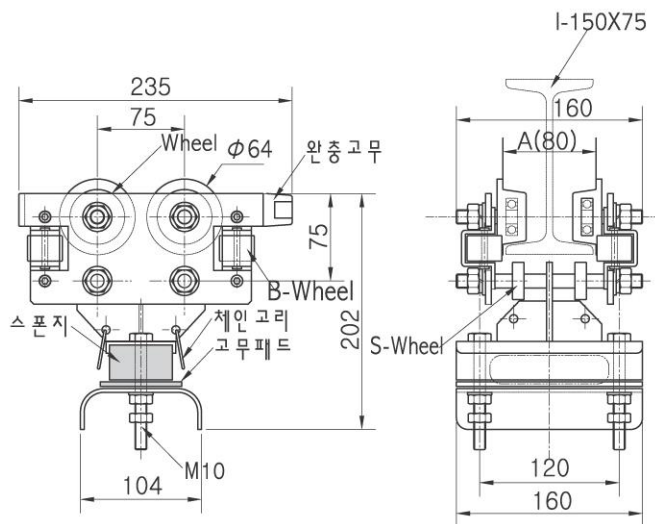
mttkorea.com

· I-Beam Lead Trolley(보조Wheel & Guide Roller부착형) 규격 및 사양



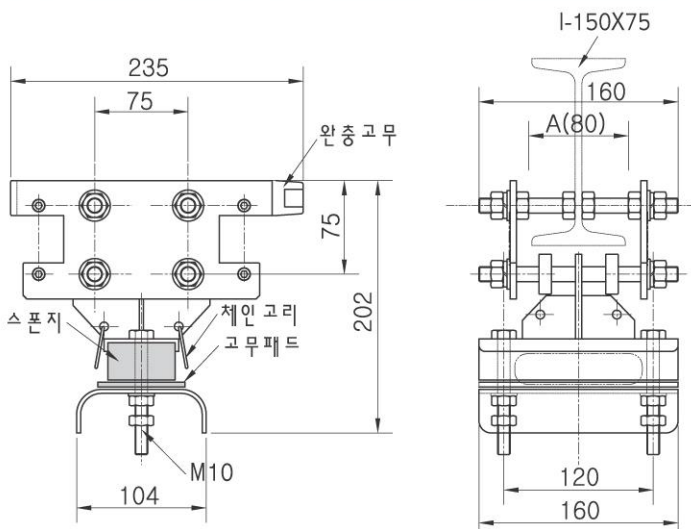
제품명	제품번호(1열용)	A	용도
I-Beam Lead Trolley	MS-ILT3-001-75	80	I-Beam 75용
I-Beam Lead Trolley	MS-ILT3-001-100	105	I-Beam 100용
I-Beam Lead Trolley	MS-ILT3-001-125	130	I-Beam 125용
I-Beam Lead Trolley	MS-ILT3-001-150	155	I-Beam 150용

· I-Beam Trolley(보조Wheel & Guide Roller부착형) 규격 및 사양

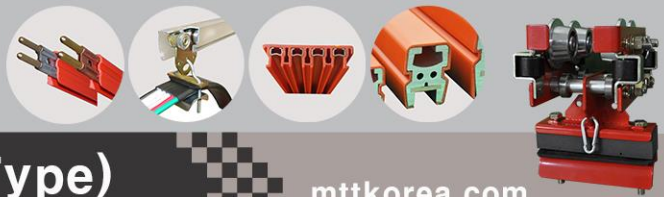


제품명	제품번호(1열용)	A	용도
I-Beam Trolley Hanger	MS-ITR3-001-75	80	I-Beam 75용
I-Beam Trolley Hanger	MS-ITR3-001-100	105	I-Beam 100용
I-Beam Trolley Hanger	MS-ITR3-001-125	130	I-Beam 125용
I-Beam Trolley Hanger	MS-ITR3-001-150	155	I-Beam 150용

· I-Beam Track Clamp(보조Wheel & Guide Roller부착형) 규격 및 사양

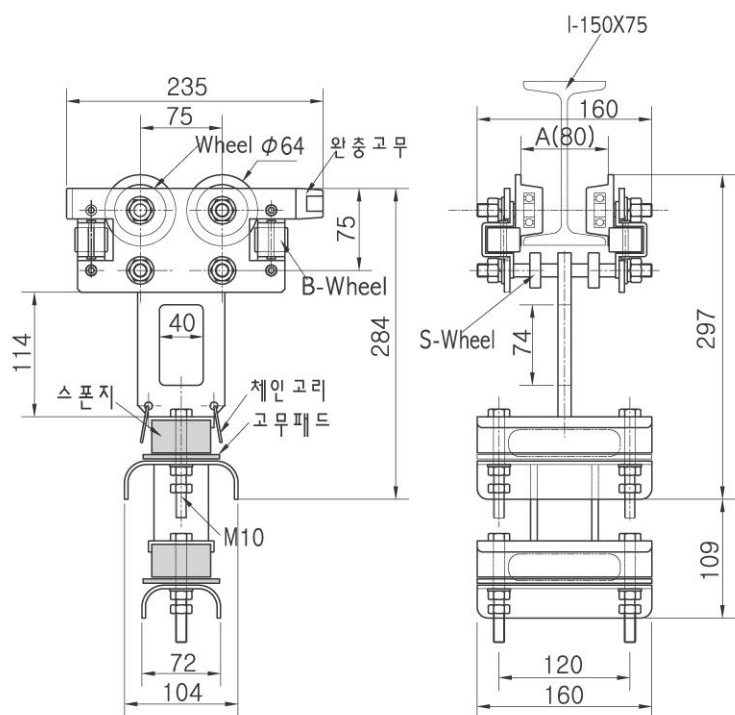


제품명	제품번호(1열용)	A	용도
I-Beam Track Clamp	MS-ITC3-001-75	80	I-Beam 75용
I-Beam Track Clamp	MS-ITC3-001-100	105	I-Beam 100용
I-Beam Track Clamp	MS-ITC3-001-125	130	I-Beam 125용
I-Beam Track Clamp	MS-ITC3-001-150	155	I-Beam 150용

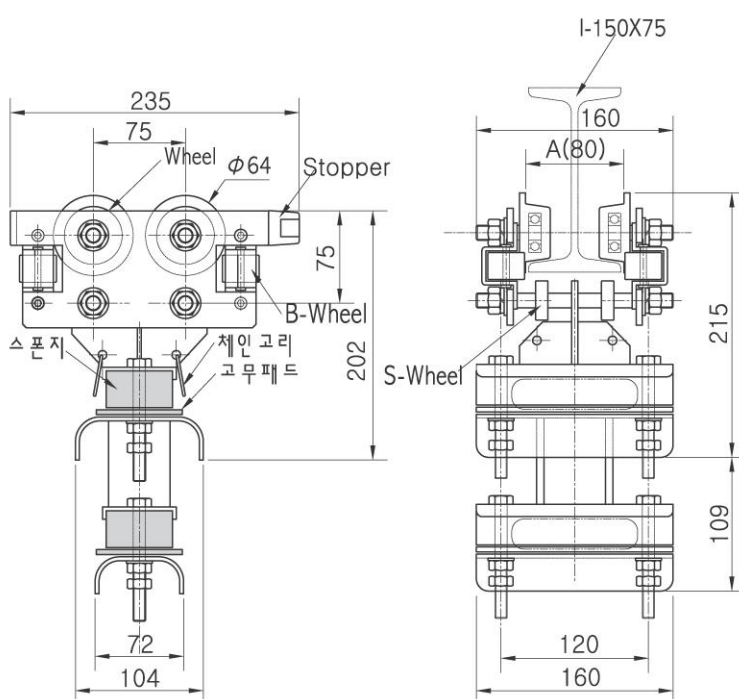


TROLLEY-HANGER (ITR-3 Type)

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제품명	제품번호(2열용)	A	용도
I-Beam Lead Trolley	MS-ILT3-002-75	80	I-Beam 75용
I-Beam Lead Trolley	MS-ILT3-002-100	105	I-Beam 100용
I-Beam Lead Trolley	MS-ILT3-002-125	130	I-Beam 125용
I-Beam Lead Trolley	MS-ILT3-002-150	155	I-Beam 150용



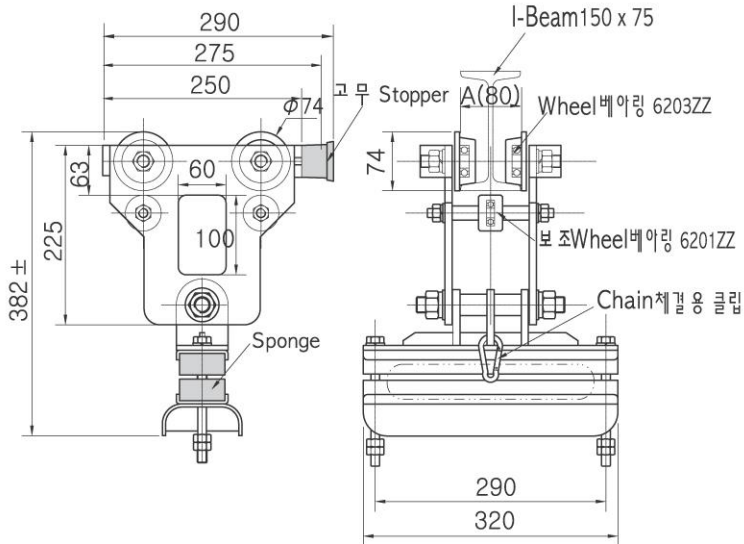
제품명	제품번호(2열용)	A	용도
I-Beam Trolley Hanger	MS-ITR3-002-75	80	I-Beam 75용
I-Beam Trolley Hanger	MS-ITR3-002-100	105	I-Beam 100용
I-Beam Trolley Hanger	MS-ITR3-002-125	130	I-Beam 125용
I-Beam Trolley Hanger	MS-ITR3-002-150	155	I-Beam 150용

Trolley-Hanger

TROLLEY-HANGER (ITR-5 Type)

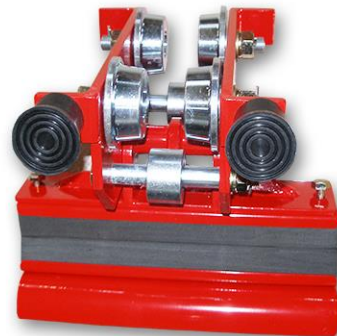
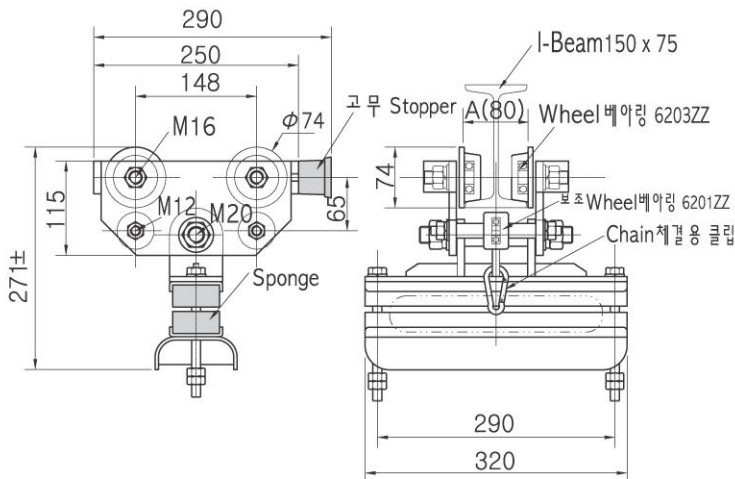
mttkorea.com

· I-Beam Lead Trolley 규격 및 사양(ITR-5 Type) 1열용



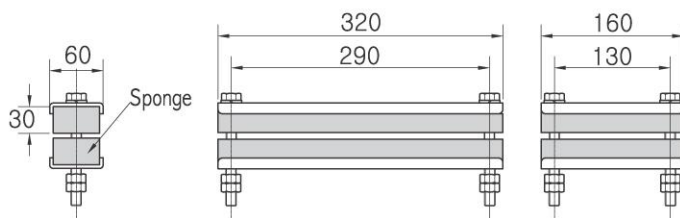
제품명	제품번호(1열용)	A	용도
I-Beam Lead Trolley	MS-ILT5-001-75	80	I-Beam 75용
I-Beam Lead Trolley	MS-ILT5-001-100	105	I-Beam 100용
I-Beam Lead Trolley	MS-ILT5-001-125	130	I-Beam 125용
I-Beam Lead Trolley	MS-ILT5-001-150	155	I-Beam 150용

· I-Beam Trolley Hanger 규격 및 사양(ITR-5 Type) 1열용



제품명	제품번호(1열용)	A	용도
I-Beam Trolley Hanger	MS-ITR5-001-75	80	I-Beam 75용
I-Beam Trolley Hanger	MS-ITR5-001-100	105	I-Beam 100용
I-Beam Trolley Hanger	MS-ITR5-001-125	130	I-Beam 125용
I-Beam Trolley Hanger	MS-ITR5-001-150	155	I-Beam 150용

· Cable Binder

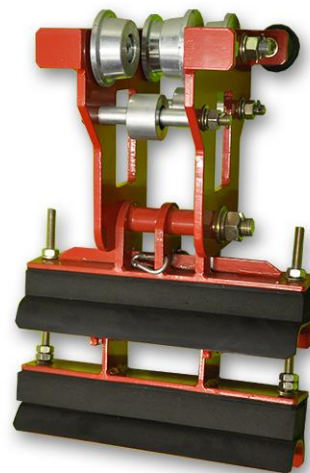
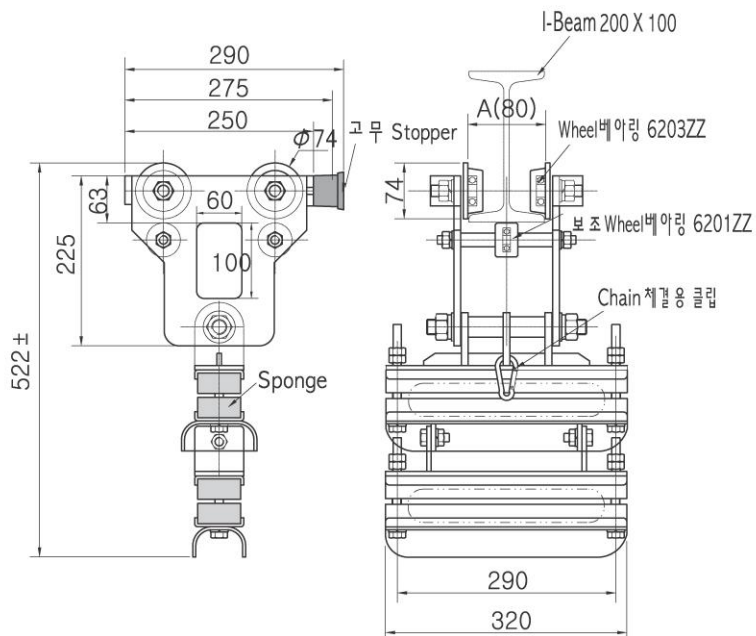


제품명	제품번호
Cable Binder	MS-ICB-160
Cable Binder	MS-ICB-320

TROLLEY-HANGER (ITR-5 Type)

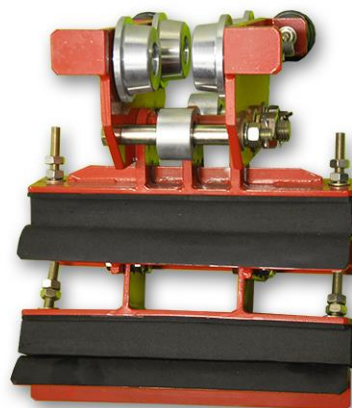
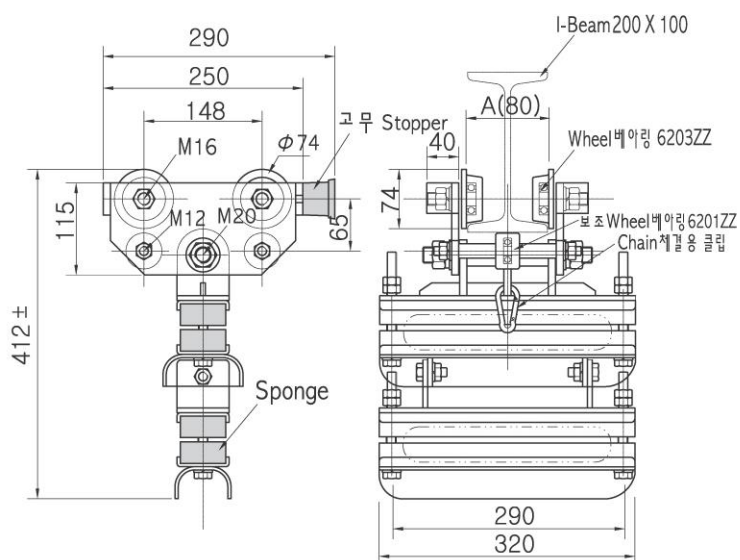
mttkorea.com

· I-Beam Lead Trolley 규격 및 사양(ITR-5 Type) 2열용

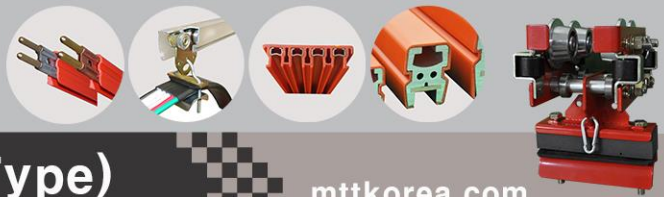


제품명	제품번호(2열용)	A	용도
I-Beam Lead Trolley	MS-ILT5-002-75	80	I-Beam 75용
I-Beam Lead Trolley	MS-ILT5-002-100	105	I-Beam 100용
I-Beam Lead Trolley	MS-ILT5-002-125	130	I-Beam 125용
I-Beam Lead Trolley	MS-ILT5-002-150	155	I-Beam 150용

· I-Beam Trolley Hanger 규격 및 사양(ITR-5 Type) 2열용



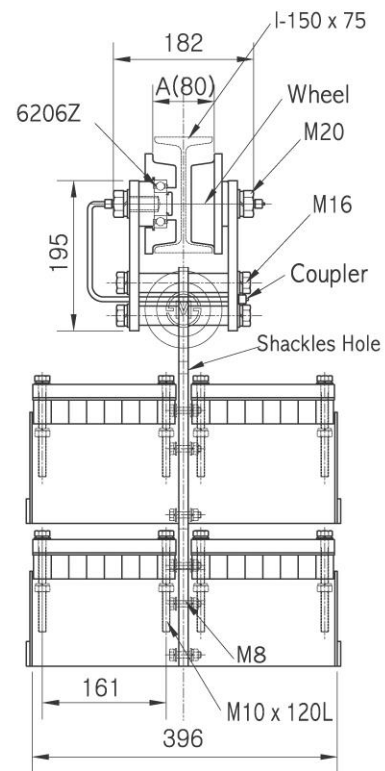
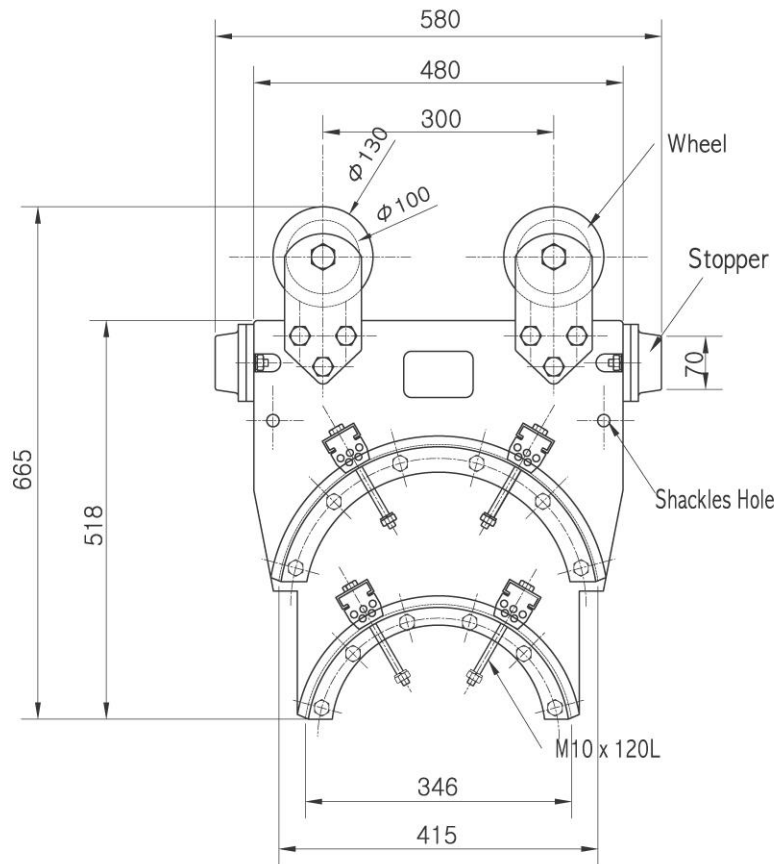
제품명	제품번호(2열용)	A	용도
I-Beam Trolley Hanger	MS-ITR5-002-75	80	I-Beam 75용
I-Beam Trolley Hanger	MS-ITR5-002-100	105	I-Beam 100용
I-Beam Trolley Hanger	MS-ITR5-002-125	130	I-Beam 125용
I-Beam Trolley Hanger	MS-ITR5-002-150	155	I-Beam 150용



TROLLEY-HANGER (ITR-6 Type)

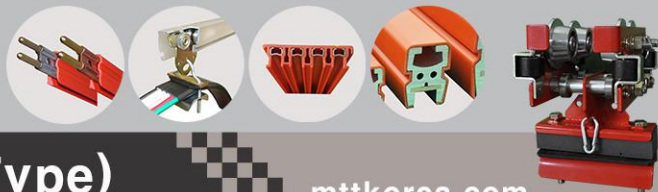
mttkorea.com

· I-Beam Trolley Hanger 규격 및 사양(ITR-6 Type)



제품명	제품번호(1열용)	제품번호(2열용)	A	용도
I-Beam Trolley Hanger	MS-ITR6-001-75	MS-ITR6-002-75	80	I-Beam 75용
I-Beam Trolley Hanger	MS-ITR6-001-100	MS-ITR6-002-100	105	I-Beam 100용
I-Beam Trolley Hanger	MS-ITR6-001-125	MS-ITR6-002-125	130	I-Beam 125용
I-Beam Trolley Hanger	MS-ITR6-001-150	MS-ITR6-002-150	155	I-Beam 150용

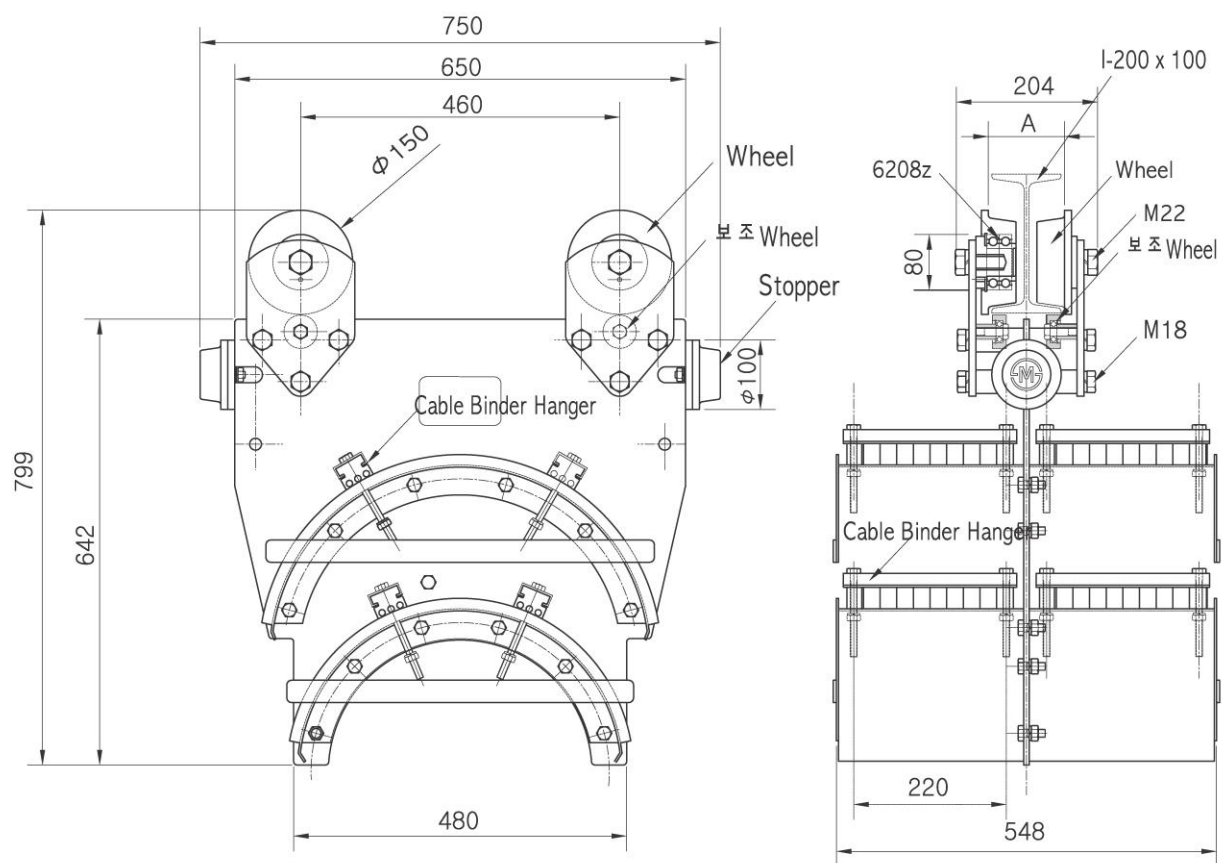




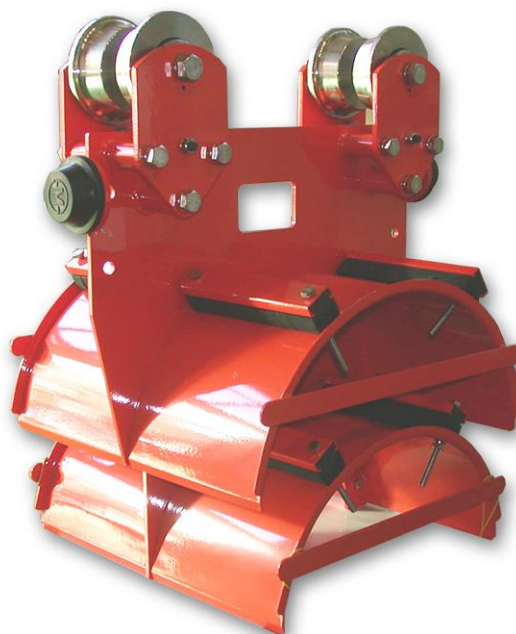
TROLLEY-HANGER (ITR-7 Type)

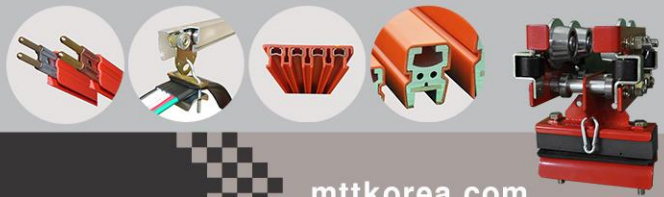
mttkorea.com

· I-Beam Trolley Hanger 규격 및 사양(ITR-7 Type)



제품명	제품번호(1열용)	제품번호(2열용)	A	용 도
I-Beam Trolley Hanger	MS-ITR7-001-75	MS-ITR7-002-75	80	I-Beam 75용
I-Beam Trolley Hanger	MS-ITR7-001-100	MS-ITR7-002-100	105	I-Beam 100용
I-Beam Trolley Hanger	MS-ITR7-001-125	MS-ITR7-002-125	130	I-Beam 125용
I-Beam Trolley Hanger	MS-ITR7-001-150	MS-ITR7-002-150	155	I-Beam 150용

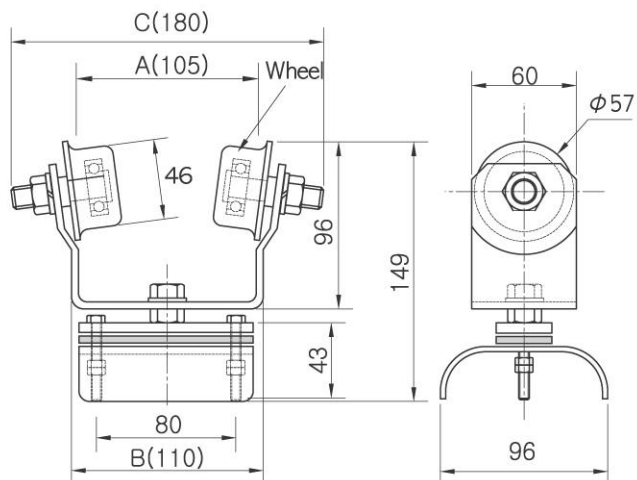




MAGIC HANGER

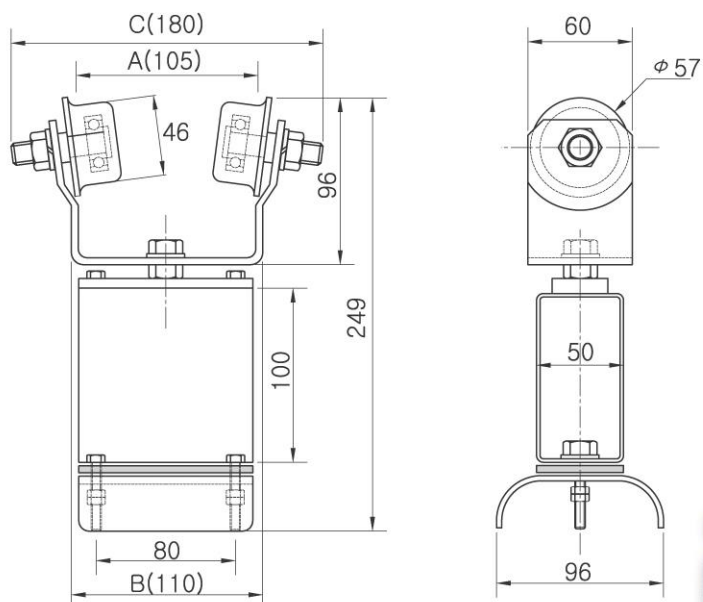
mttkorea.com

· Magic Hanger 규격 및 사양

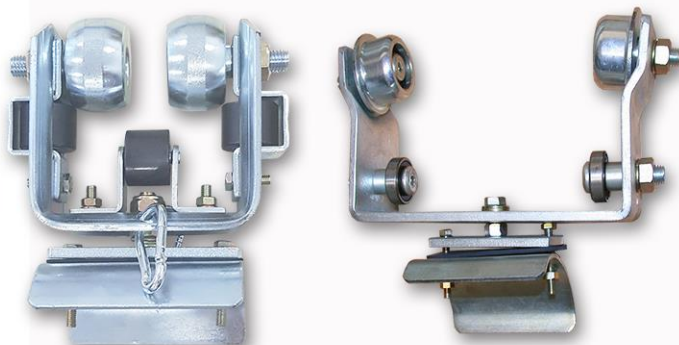


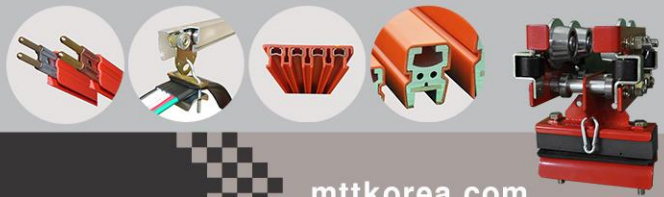
품명	제품번호	I-BEAM 규격	A	B	C
Magic Hanger	MS-MGH-075	I-75용	80	85	154
Magic Hanger	MS-MGH-100	I-100용	105	110	179
Magic Hanger	MS-MGH-125	I-125용	130	135	204
Magic Hanger	MS-MGH-150	I-150용	155	160	229

· Magic Hanger Lead용 규격 및 사양



품명	제품번호	I-BEAM 규격	A	B	C
Magic Hanger(Lead용)	MS-MGLH-075	I-75용	80	85	154
Magic Hanger(Lead용)	MS-MGLH-100	I-100용	105	110	179
Magic Hanger(Lead용)	MS-MGLH-125	I-125용	130	135	204
Magic Hanger(Lead용)	MS-MGLH-150	I-150용	155	160	229

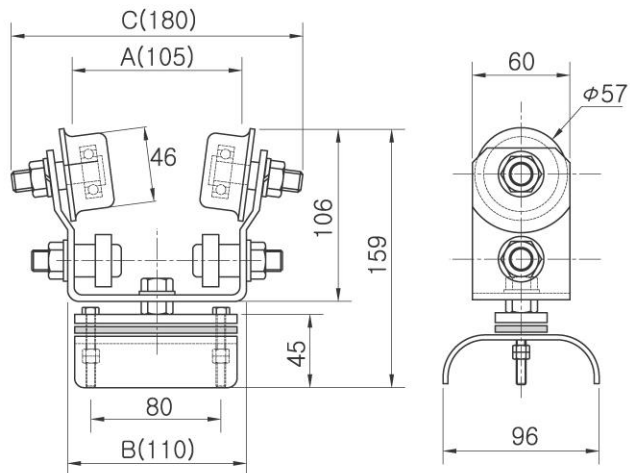




MAGIC HANGER

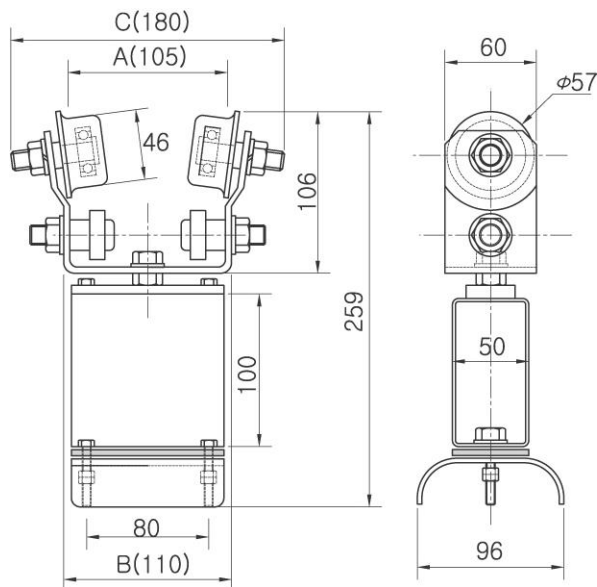
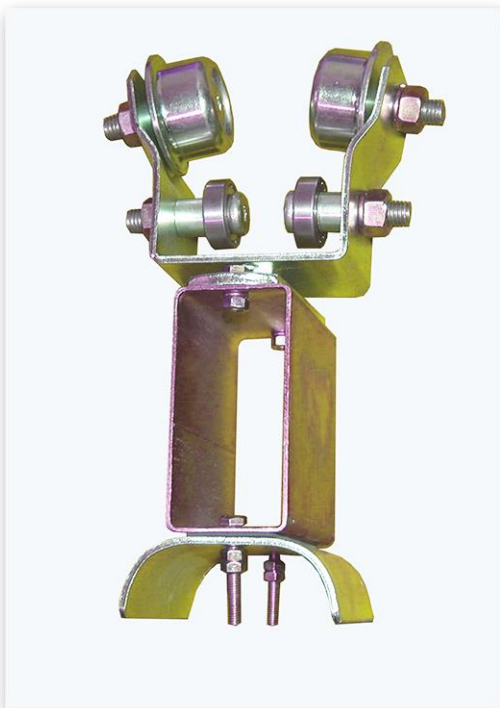
mttkorea.com

· Magic Hanger(보조롤라부착형) 규격 및 사양

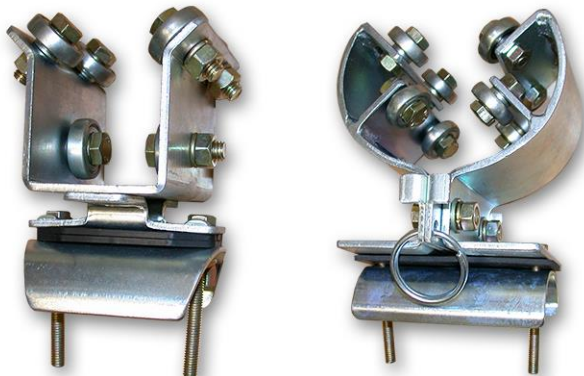


품명	제품번호	I-BEAM 규격	A	B	C
Magic Hanger	MS-MGH(2B)-075	I-75용	80	85	154
Magic Hanger	MS-MGH(2B)-100	I-100용	105	110	179
Magic Hanger	MS-MGH(2B)-125	I-125용	130	135	204
Magic Hanger	MS-MGH(2B)-150	I-150용	155	160	229

· Magic Hanger Lead용(보조롤라부착형) 규격 및 사양



품명	제품번호	I-BEAM 규격	A	B	C
Magic Hanger(Lead용)	MS-MGLH(2B)-075	I-75용	80	85	154
Magic Hanger(Lead용)	MS-MGLH(2B)-100	I-100용	105	110	179
Magic Hanger(Lead용)	MS-MGLH(2B)-125	I-125용	130	135	204
Magic Hanger(Lead용)	MS-MGLH(2B)-150	I-150용	155	160	229



주문제작형

Enclosed conductor rail <MCL>



MCL là sản phẩm cách nhiệt kín và dây đồng được chế tạo bên trong vỏ PVC làm bằng vật liệu chống cháy, do đó dây đồng ít bị ăn mòn và sản phẩm này giảm thiểu rủi ro về tai nạn điện giật. Chiều dài cung cấp cơ bản là 4m, và phù hợp cho việc di chuyển tốc độ cao vì nó không có khớp như một loại chèn dây dẫn. Ngoài ra, có thể cài đặt được trong một môi trường khắc nghiệt, nơi nhiều bụi, khí và hơi ẩm bằng cách lắp đặt nắp cao su.

MCL 제품은 밀폐형 절연 제품으로 난연성 재료의 PVC 하우징 내부에 동선을 삽입하는 방식이며, 감전사고 등 위험성이 낮은 제품입니다. 기본 공급 길이는 4m이며, 도체 삽입형으로써 이음매가 없기에 고속 주행에 적합합니다. 또한 고무커버를 취부하여 분진 및 가스, 수분 등이 발생하는 열악한 환경에도 설치가 가능합니다.

Insulation type	MCL type
Insulation cover color	PVC housing – RED
Standard length	4,000mm
Suspension distance	1,000mm ~ 1,500mm
Voltage	600V
Amperage (100% duty cycle at 35C)	50A, 80A, 125A, 160A, 320A(parallel connection)
Travel speed	Max. 300m/min
Ambient temperature	- 30 °C up to + 60 °C (Standard design)
Protection class	IP23
Smallest curve radius	R = 800mm

Enclosed conductor rail <LCL>



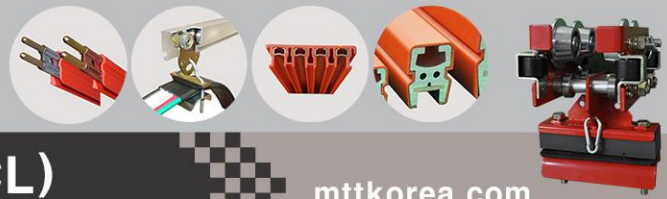
LCL là sản phẩm cách nhiệt kín và dây đồng được chế tạo bên trong vỏ PVC làm bằng vật liệu chống cháy, do đó dây đồng ít bị ăn mòn và sản phẩm này giảm thiểu rủi ro về tai nạn điện giật. Chiều dài cung cấp cơ bản là 4m và là loại kết nối của dây dẫn do đó dễ dàng trong lắp đặt và bảo trì. Ngoài ra, có thể cài đặt được trong một môi trường khắc nghiệt, nơi nhiều bụi, khí và hơi ẩm bằng cách lắp đặt nắp cao su

LCL 제품은 밀폐형 절연 제품으로 난연성 재질의 PVC 하우징 내부에 동선이 내장되어 동선의 부식이 적으며, 감전사고 등 위험성이 낮은 제품입니다.

기본 공급 길이는 4m이며, 도체 연결형으로써 설치 및 유지보수가 편리한 구조입니다.

또한 고무커버를 취부하여 분진 및 가스, 수분 등이 발생하는 열악한 환경에도 설치가 가능합니다.

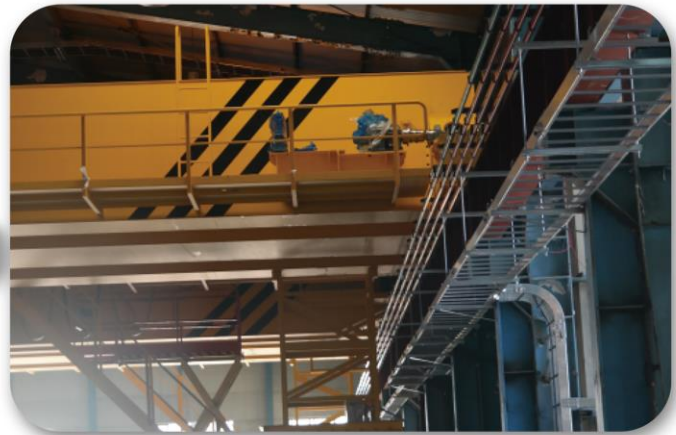
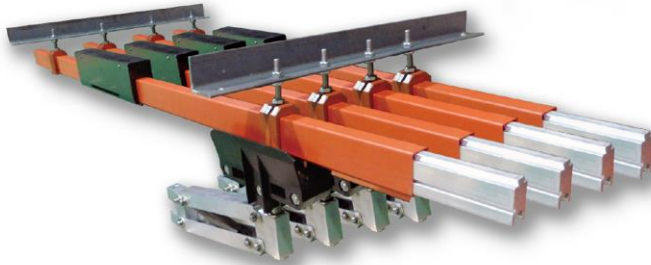
Insulation type	LCL type
Insulation cover color	PVC housing - BLUE
Standard length	4,000mm
Suspension distance	1,000mm ~ 1,500mm
Voltage	600V
Amperage (100% duty cycle at 35C)	60A, 100A, 140A, 180A, 280A(parallel connection)
Travel speed	Max. 200m/min
Ambient temperature	- 30 °C up to + 60 °C (Standard design)
Protection class	IP23
Smallest curve radius	R = 600mm



Enclosed Conductor rail (HCL)

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High current conductor rail <HCL>



Đường ray dây dẫn cao là một sản phẩm có công suất cao được thiết kế để dễ dàng lắp ráp và tháo rời sản phẩm trong quá trình lắp đặt và bảo trì. Có thể được lắp đặt ngoài trời vì dây dẫn được bọc bằng vỏ cách điện.

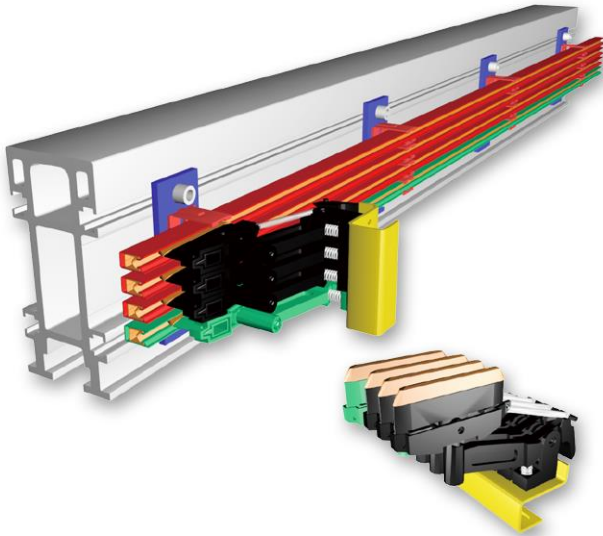
Bề mặt của bề mặt tiếp xúc bàn chải carbon có thể chọn đồng hoặc thép không gỉ.

Nó cũng có thể được lắp đặt tại các môi trường diễn ra sự ăn mòn đáng quan tâm như bờ biển.

High current conductor rail 제품은 설치 및 유지보수시 제품의 조립과 분해가 손쉽게 설계된 고용량 제품으로서 도전체를 절연커버로 감싸고 있기에 옥외설치도 가능하며 Carbon brush 가 접촉되는 면의 재질이 동과 스테인레스로 선택이 가능하며 해안 같은 부식이 우려되는 환경에도 적용이 가능합니다.

Insulation type	HCL type
Insulation cover color	Phase – Red Earth – Green
Standard length	6,000mm
Suspension distance	1,000mm ~ 2,000mm
Voltage	~1000V
Amperage (100% duty cycle at 35C)	500A ~ 1000A(Aluminum), 1300A ~ 1600A(Copper)
Travel speed	Max. 600m/min
Ambient temperature	- 30 °C up to + 60 °C (Standard design)
Protection class	IP23
Dielectric strength	30 ~ 40 kV / mm
Surface resistance	10 ¹³ Ohm

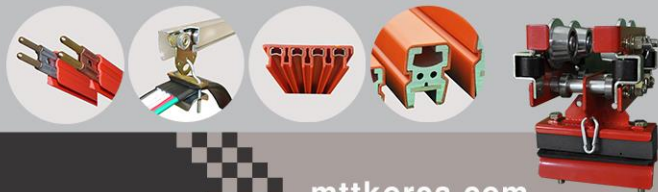
Uni-pole conductor rail <UCL>



Uni Pole là sản phẩm cực dễ lắp đặt ở những nơi có không gian lắp đặt nhỏ và có thể di chuyển ở tốc độ cao. Chủ yếu được áp dụng cho các thiết bị EMS, RGV, v.v. Ngoài ra, chúng có thể được áp dụng cho việc trượt bánh xe hoặc cần trục.

Uni pole 제품은 설치공간이 협소한 장소에도 설치가 용이하며 고속이동이 가능한 전원공급장치로 주로 EMS 설비, RGV등의 설비에 많이 적용이 되며, 그외에도 놀이기구나 크레인의 Slipping 용으로도 적용이 가능한 제품입니다.

Insulation type	UCL type
Insulation cover color	Phase – Red Earth – Green
Standard length	6,000mm
Phase-/ suspension distance	15mm / max. 800 mm
Voltage	600V
Amperage (100% duty cycle at 35C)	100 A (copper) / 10A (stainless steel)
Conductor bar cross section & material	25 mm ² / Copper / Stainless steel
Travel speed	Max. 600m/min
Ambient temperature	- 30 °C up to + 60 °C (Standard design)
Protection class	IP23
Smallest curve radius	Vertical – 400 mm / Horizontal (please contact)



HYUNDAI HOIST

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Mono Rail-Type



Low Head-Type



Double Rail-Type



Double Rail-Creep Type



Double Special-Type



Main & Aux-Type



Open Winch-Type

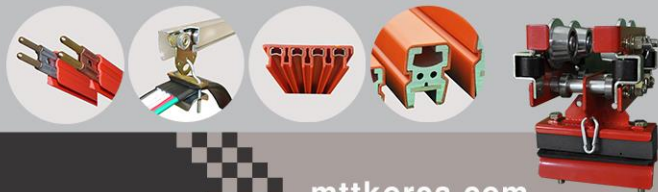


HT Type



HS Type



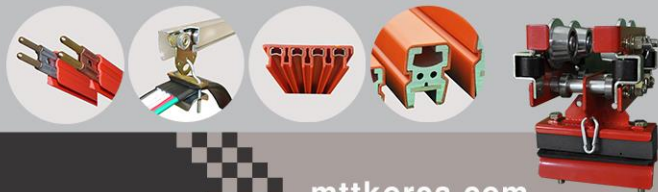


HYUNDAI HOIST

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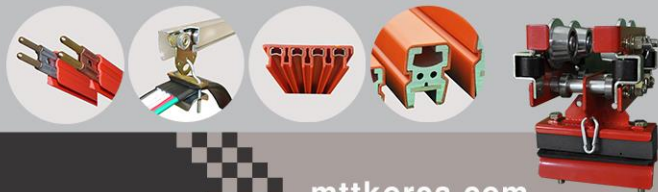
Hyundai



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KOREEL-Cable Reel





KOREEL-Cable Reel

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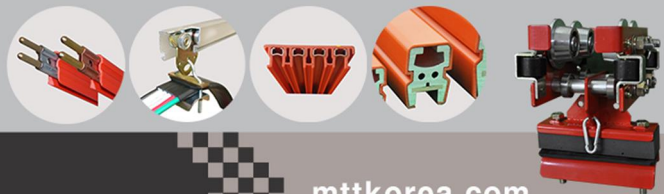
◎ Cable reel (motor type) ◎ Cable reel (spring type) ◎ Electric cord reels



◎ Air hose reels ◎ Gas hose reels ◎ Welding reels



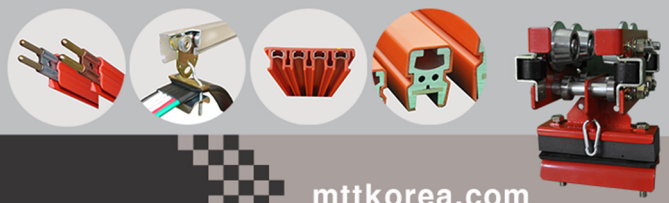
Cable Reel



SEIL CRANE-KOREA

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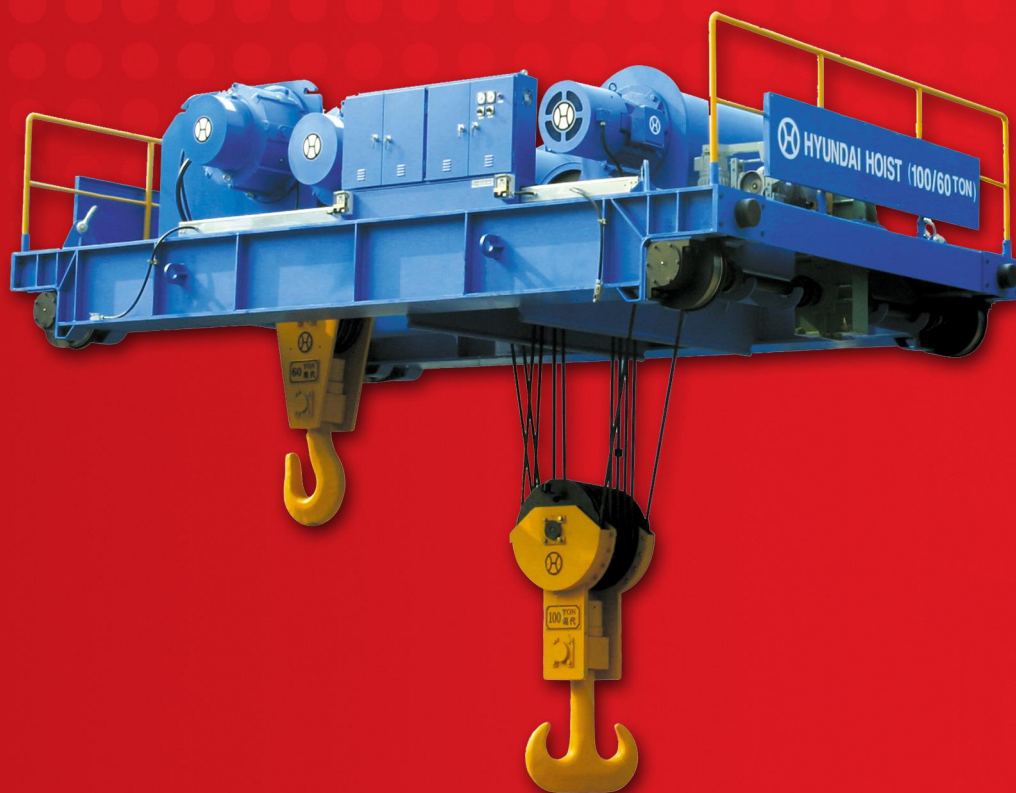


DWG NOTE

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