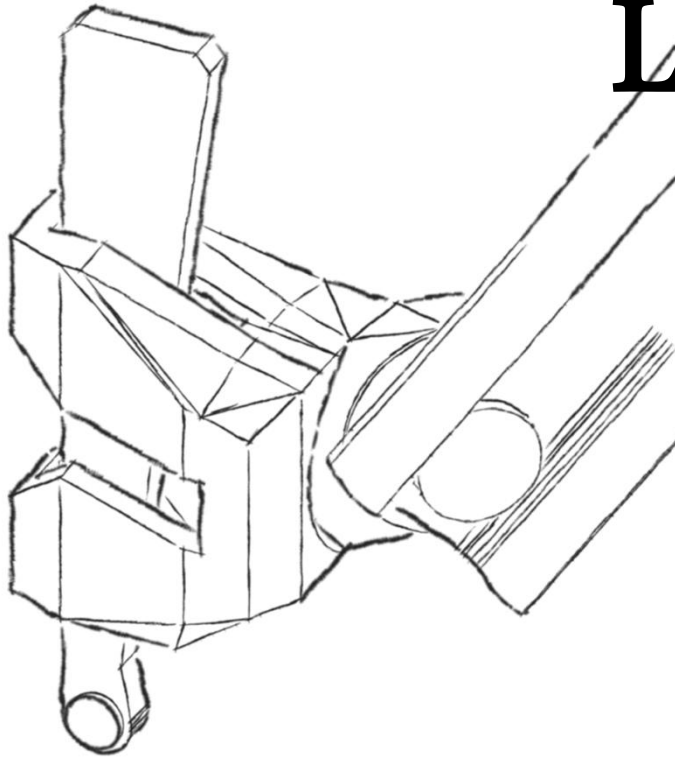


THIS IS FRAME\_PROFESSIONAL



**FRAME**  
TOTAL STRUCTURE GROUP

Since 2000.03.20



# LAYER

- Layher is
- Layher Basic System
- Layher Forte
- Layher Materials
- Layher Materials List

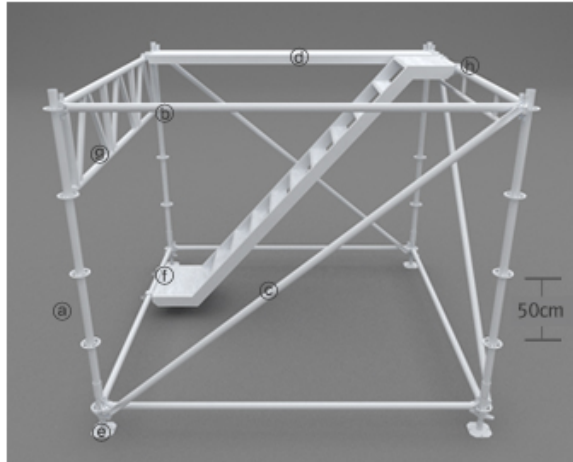
Scaffolding companies need a reliable partner who provides effective.

Comprehensive support within a fiercely competitive. Staying ahead of the game of not about an individual product, but about excellent technology but also about skilful implementation in line with the specific need of a particular project.



## Layher Basic System

The Layher Allround force connector makes it possible-And its ingenious Allround technology.  
Unlimited operating poteneial



Name		Size								unit(m)
Ⓐ	Standard	0.25	0.50	1.00	1.50	1.75	2.00	3.00		
Ⓑ	Ledger	0.36	0.73	0.91	1.09	1.40	1.82	2.07	2.57 3.07	
Ⓒ	Brace	(H2.00)	2.12	2.20	2.25	2.40	2.64	2.87	3.18 3.58	
Ⓓ	Deck	(W0.32)	0.73	0.91	1.09	1.40	1.82	2.07	2.57 3.07	
Ⓔ	Plate	HIGH FOR		0.10 ~ 0.80						
Ⓕ	Stairway	LENGTHS FOR		1.81	2.07	2.57	BAY			
Ⓖ	Girder	1.40	1.82	2.07	2.57	3.07				
Ⓗ	Bridging ledger	1.82		2.07	2.57	3.07				

- 구조상 대각(Brace)의 역할로 전후상하좌우의 흔들림을 최소화하여 바람과 하중이 타 구조물에 비해 월등히 강함
- 높이(Standard), 가로(Ledger), 대각(Brace)이 기본
- Pipe(높이, 가로, 대각)는 8방향 조인트 방식
- 높이는 50CM마다 연결부위가 있고 바닥에 높이조절이 가능한 Base plate가 각 Standard마다 설치되므로 원하는 높이 조절 가능
- 가로와 깊이는 타 구조물과는 달리 다양한 사이즈 (0.36M, 0.73M, 0.91M, 1.09M, 1.40M, 1.82M, 2.07M, 2.57M, 3.07M )
- 철강 이나 알루미늄으로 제작된 발판(Steel Deck)과 계단 - 설치, 철거하는 작업자의 편의와 안전 보장

## ONLY LAYHER SYSTEM! Layher System만이 가능합니다.

01

### Only Event System \_검증완료

Layher system solutions make every event a success

Layher는 건설현장용 자체 이외의 이벤트만을 위한 전용 자재를 구축하여 전문성과 적합성을 높였습니다. 무대 및 객석만을 위한 하나의 완전한 시스템을 구축한 것은 Layher뿐입니다. 오랜 기간 미국, 유럽 등지의 대형 콘서트 및 PGA, Masters등의 국제 경기에서 활용되며 이미 검증이 완료되었습니다.

반면 타 자재는 이벤트용 시스템으로 아직 완성된 제품이 없기 때문에 이벤트 시스템으로 적용시키기 위해서는 가공이 필요하거나 이미 만들어져 있는 자재가 없기 때문에 새롭게 제작하여야 하며 안전성 등의 검증의 절차가 필요합니다.

조명, 음향, 영향 장비 등을 위한 타워구조물과 무대, 스탠드 구조물이 호환을 이루어 전체가 하나로 연결된 놀랄 만한 구조물 형태로 설치됩니다.

02

### Layher만의 기술력

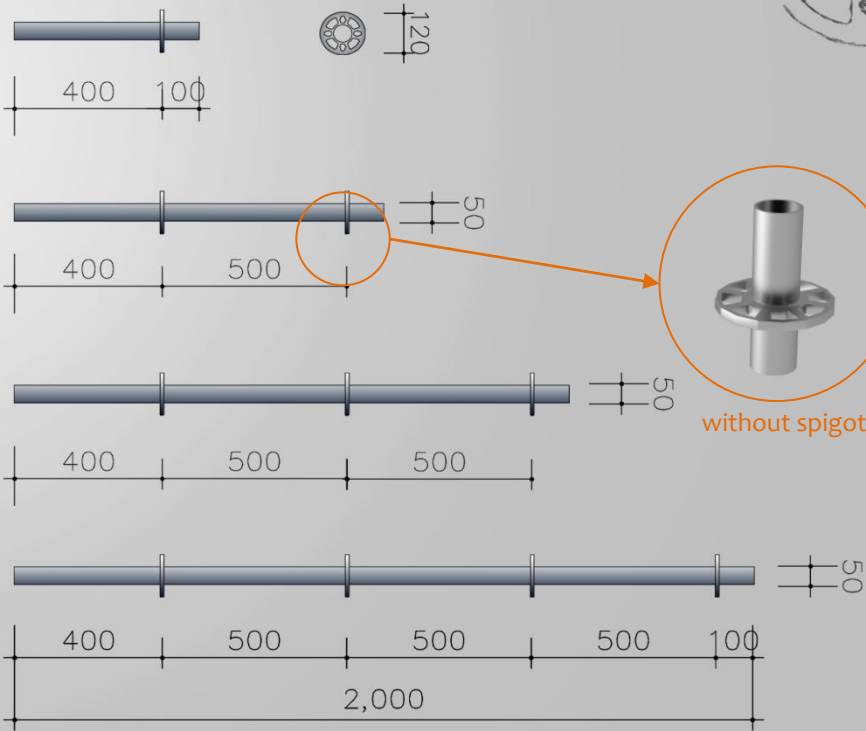
Ingenious technology-8 connection ring(rosette)

Layher는 8개의 점을 연결하는 간단하고 독특한 볼트 방식의 Rosette이라는 시스템을 사용합니다.

이는 Layher에만 있는 세계 최고의 시스템으로 효율성과 안전성을 구축할 수 있는 기술입니다.

# Layher Standards

are available in hot-dip galvanized steel tubing dia. 48.3X3.2mm, and aluminum tubing, dia. 48.3X4.0mm, With rosettes at every 50cm for a maximum of eight Connections.



\*standard, without spigot

size (m)	0.25	0.50	1.00	1.50	1.75	2.00	3.00
weight (kg)	1.20	2.50	4.60	6.80	7.60	9.00	13.70

\*spigot

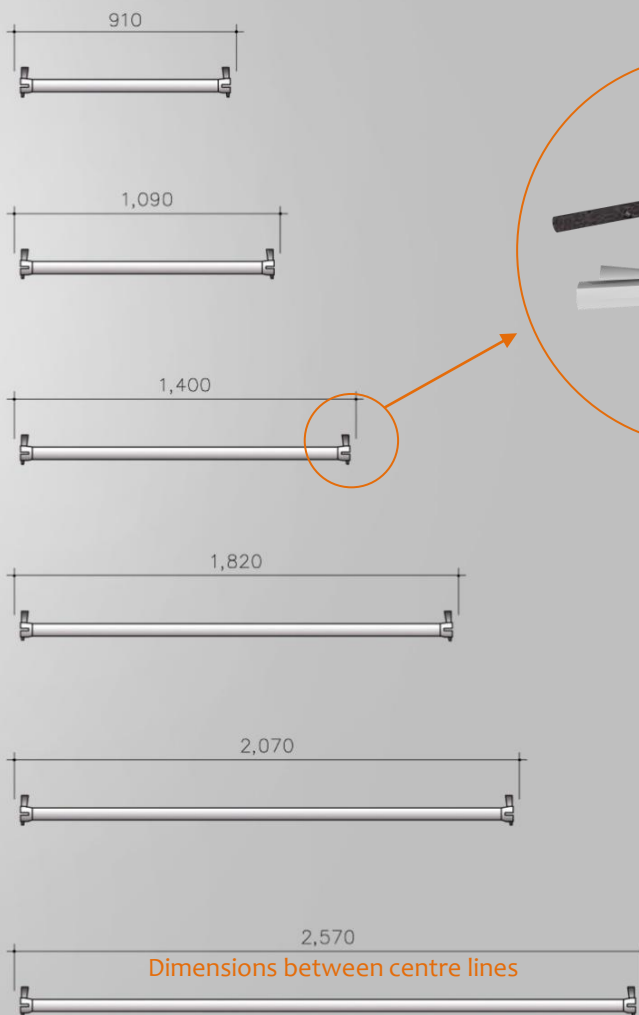
size (m)	0.52
weight (kg)	1.60

\*standard, wit spigot

size (m)	1.00	2.00
weight (kg)	5.50	10.20

# Layher Ledger

Depending in the scaffolding bay length, deck type and load, Ledgers made of steel or aluminum are available in cylindrical tube, U-section and reinforcement sections for higher loads.



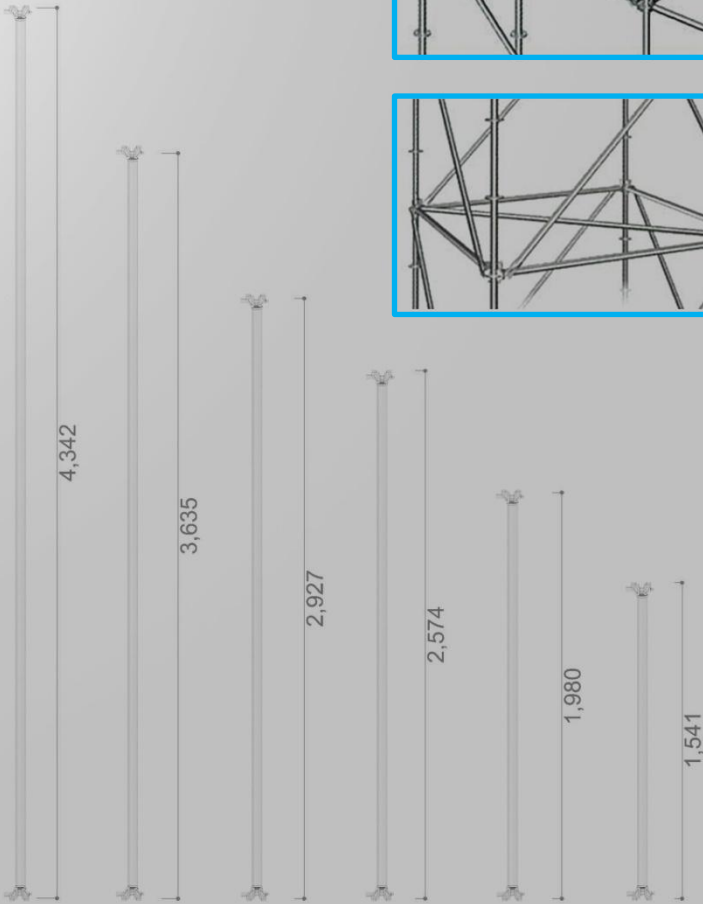
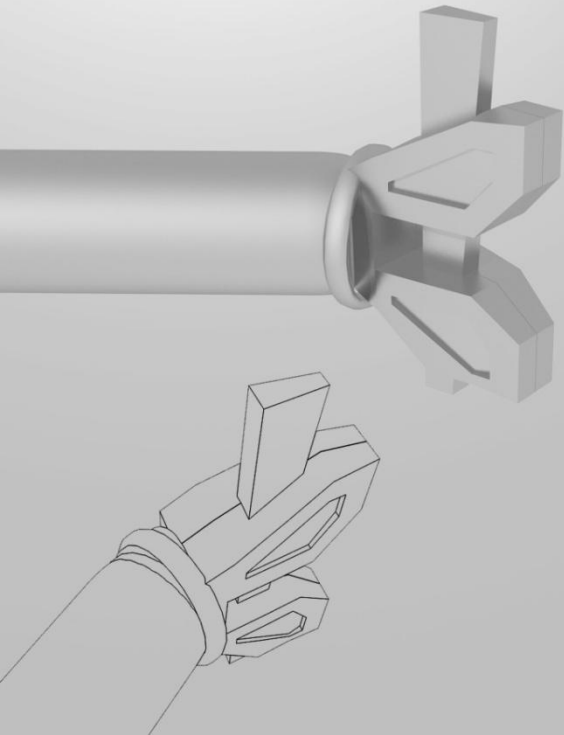
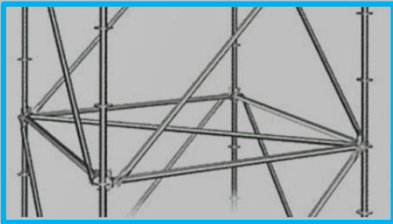
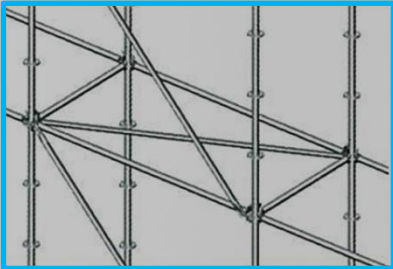
size (m)	0.36	0.73	0.91	1.09	1.40	1.82	2.07	2.57	3.07
weight (kg)	1.80	3.10	4.00	4.30	5.40	6.60	7.80	9.70	11.40
evenly distributed line load (q) (kN/m)		22.97		10.54	6.80		3.09	2.00	1.29
Individual load (p) in Bay centre(kN)		7.33		5.10	4.40		2.88	2.37	2.02

Layher\_spec

Layher  
Ledger, horizontal-diagonal  
(plan ledger)



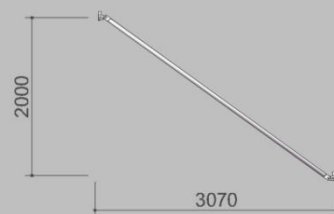
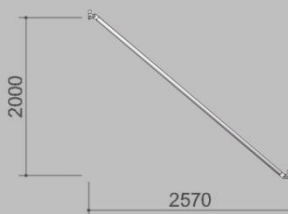
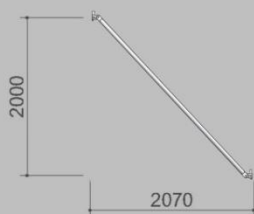
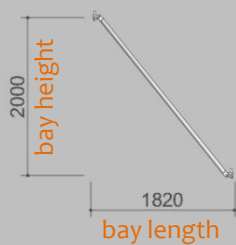
bay length (m)	1.09	1.40	1.82	2.07	2.57	3.07
bay width (m)	1.09	1.40	1.82	2.07	2.57	3.07
size (m)	1.54	2.20	2.63	2.93	3.64	4.34
weight (kg)	6.20	8.50	10.60	11.50	14.00	15.80



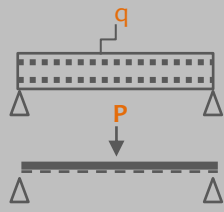
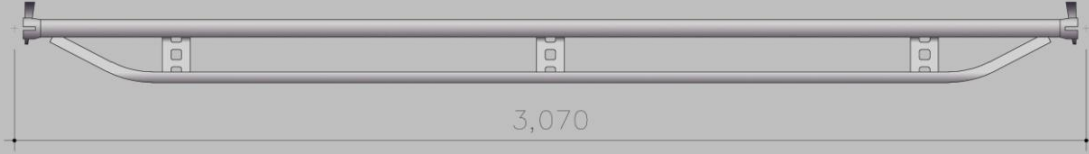
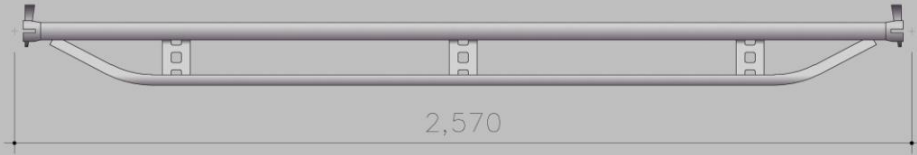
# Layher Braces

With wedge locks further brace the basic system consisting of standards and Ledgers, and thanks to their high connection values also facilitate special strictures.

bay length (m)	0.73	0.91	1.09	1.40	1.82	2.07	2.57	3.07
bay height (m)	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
size (m)	2.12	2.20	2.25	2.40	2.64	2.81	3.18	3.58
weight (kg)	6.80	6.90	7.00	7.50	8.20	8.90	9.50	10.50
Load capacity max. D(kN)	+11.93 -11.1		+11.93 -11.1	+11.93 -10.33		+11.93 -8.3	+11.93 -6.8	+11.93 -5.6



Layher  
Bridging ledger



size (m)	1.82	2.07	2,57	3.07
weight (kg)	10.70	12.40	15.80	19.20
evenly distributed line load ( <i>q</i> ) (kN/m)		8.65	5.12	3.59
Individual load ( <i>P</i> ) in Bay centre(kN)		6.92	5.25	5.24

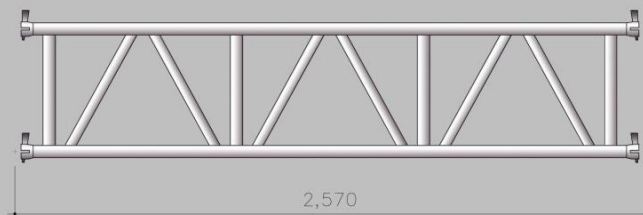
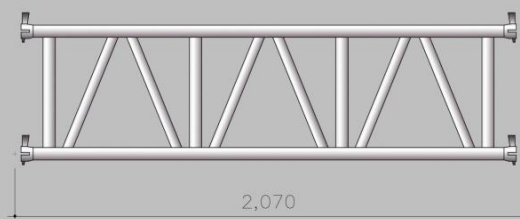
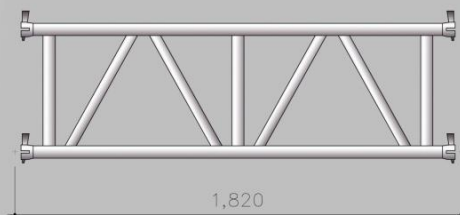
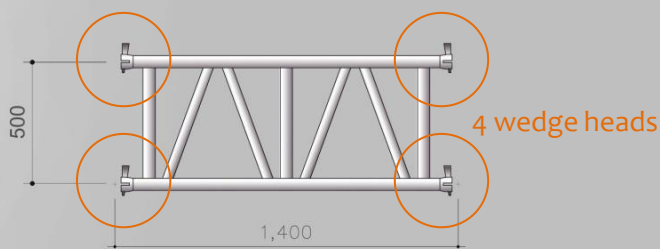
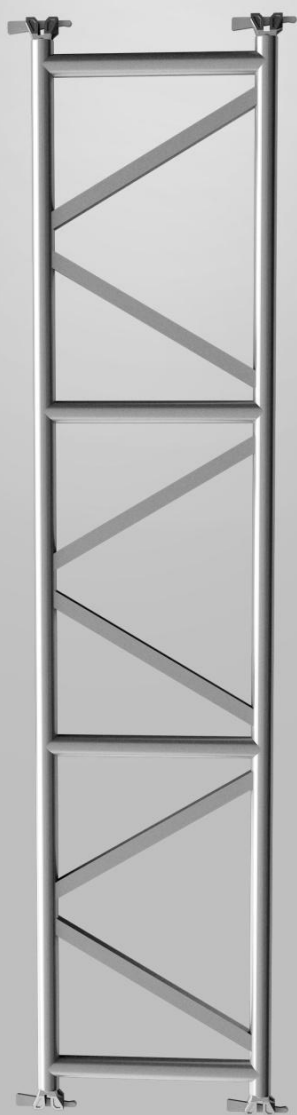
Layher

## Lattice beam with 4 Wedge heads(Girder)

Layher\_spec

Steel, is used for further construction in the scaffolding standard dimension.

The top and bottom cylindrical tube chords are secured to the standard with the wedge head



size  
(m)  
  
Weight  
(kg)

1.40\*0.50

1.82\*0.50

2.07\*0.50

2.57\*0.50

3.07\*0.50

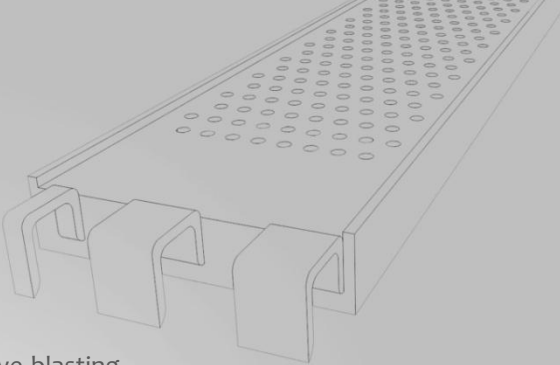
19.20

23.80

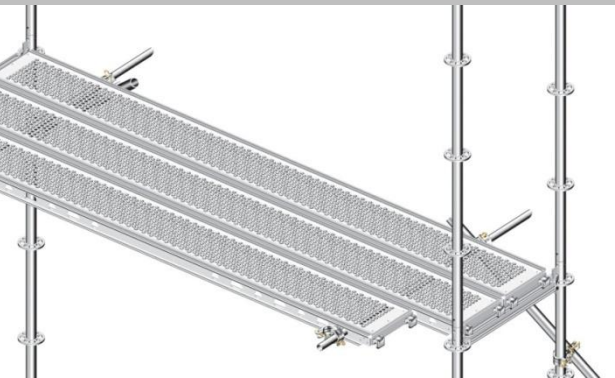
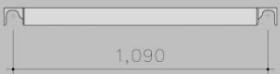
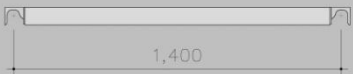
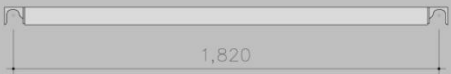
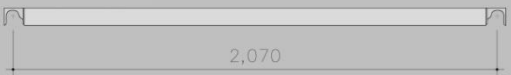
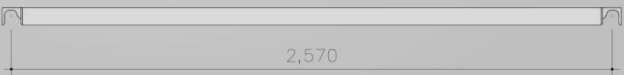
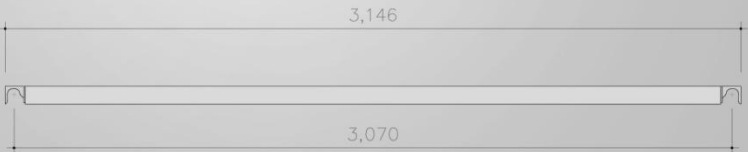
26.90

30.30

35.60



With round ledger supports are especially suitable for abrasive-blasting  
Work in order to avoid blasting residue deposits.

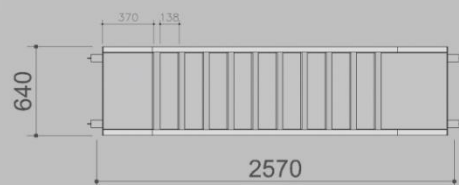
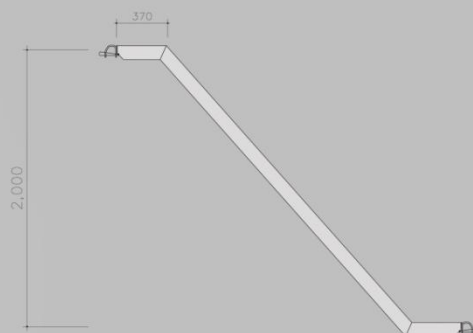
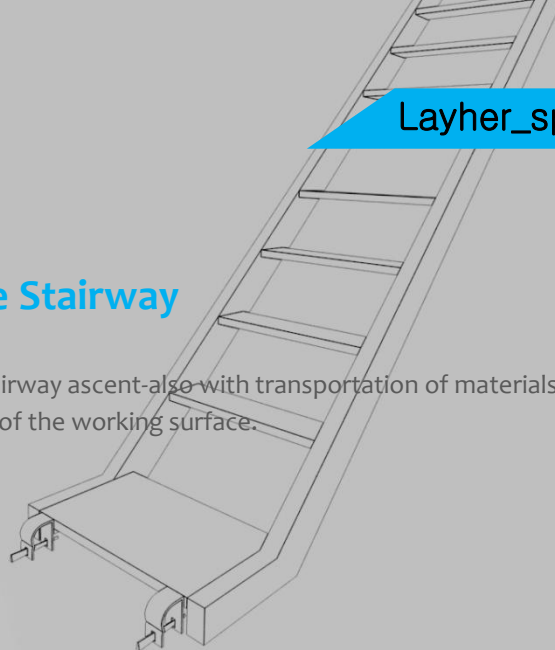


\*T9, 0.32m wide

size (m)	0.73	0.91	1.09	1.40	1.82	2.07	2.57	3.07
weight (kg)	3.10	4.00	4.30	5.40	6.60	7.80	9.70	11.40

## Layher Landing-type Stairway

Safe, fatigue-free stairway ascent-also with transportation of materials without impairment of the working surface.



\*2.0m height, 0.64m wide, aluminum

size (m)	1.82	2.07	2.57
Weight (kg)	18.00	19.40	23.20

\*Guardrail, 2.0m height  
internal      outernal

size (m)	2.25	2.57
Weight (kg)	12.50	18.10

# Layher Accessory

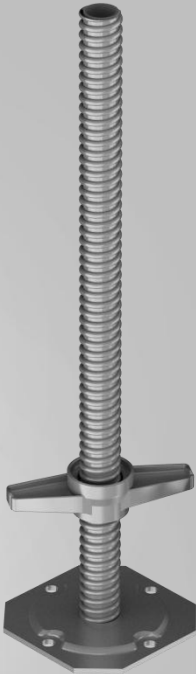
## Base plate

With sturdy and self-cleaning round threads.

## Base collar

With rosette and the height-adjustable base plate form the scaffolding base.

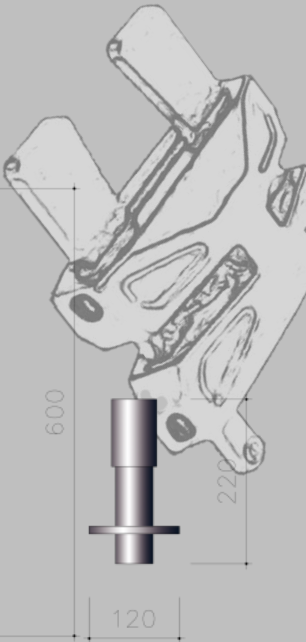
	size (m)	weight (kg)
Base collar	0.24	1.40
Base plate 60	0.60	3.60
Base plate 80	0.80	4.90



Base plate



Base collar



## Wedge head coupler

Serves to connect 48.3mm dia. scaffolding tubes to the rosettes of the standards.

size	19WS	22WS
weight (kg)	1.50	1.50

\*WS=wrench size



## Twin wedge coupler

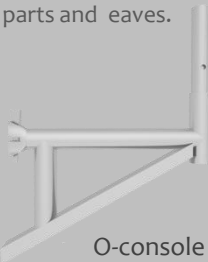
Os for connection several standards to each other, e.g. for combining standards in support scaffolding construction.

weight (kg)	1.20
-------------	------



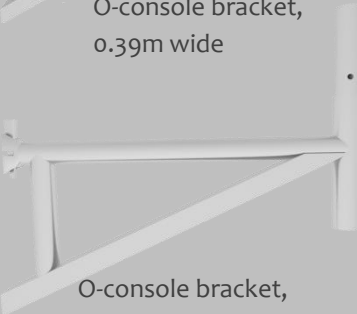
## Brackets

System brackets are available for quickly widening scaffolding bays and for converting projecting building parts and eaves.



O-console bracket,  
0.39m wide

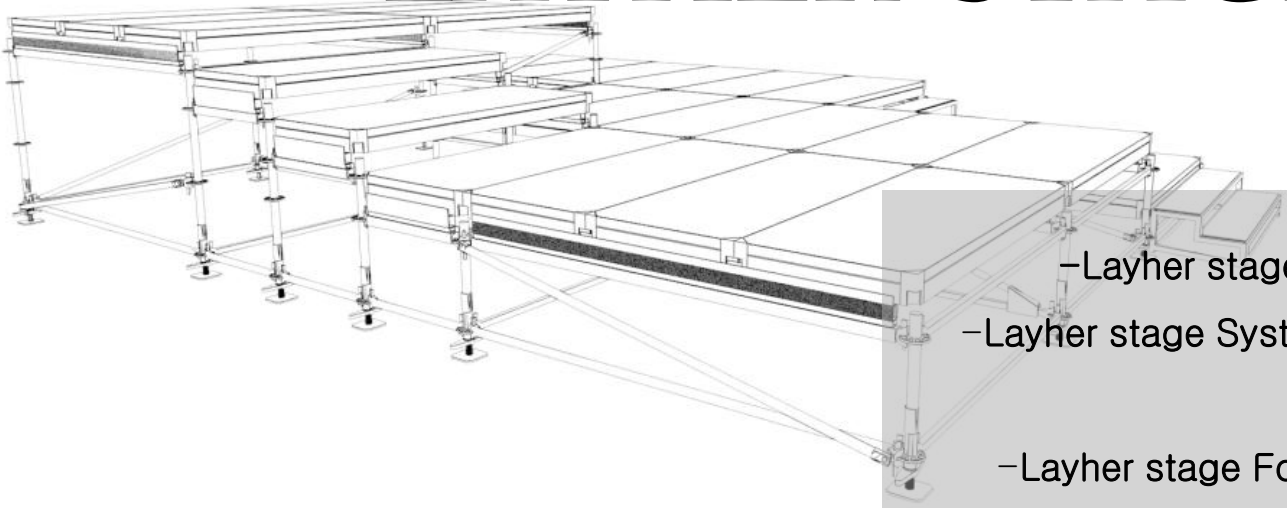
size (m)	0.39
weight (kg)	3.90



O-console bracket,  
0.73m wide

size (m)	0.73
weight (kg)	6.80

# LAYHER STAGE



- Layher stage is
- Layher stage System
- is
- Layher stage Forte
- Layher stage Materials
- Layher stage Materials

List

No restrictions imposed on performances, no limited set in the dimensions and fittings, no concessions made to the location: Layher podiums and stages always provide safe play performance area that's exactly that's needed



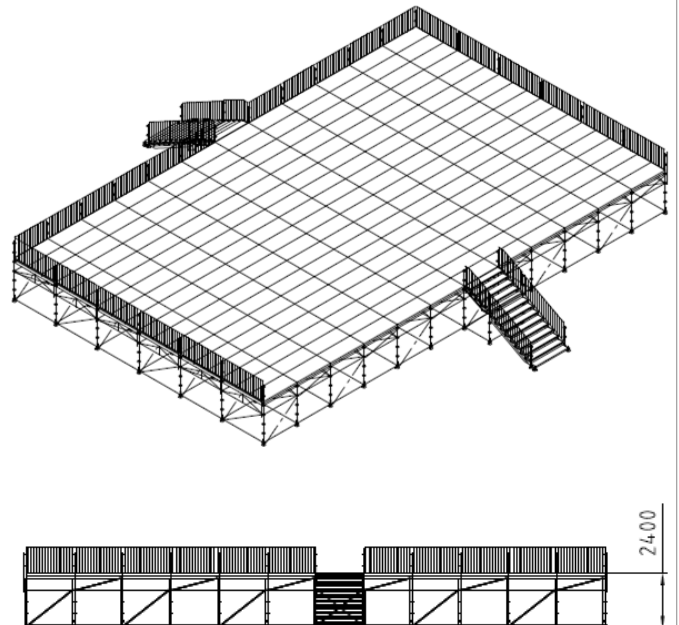
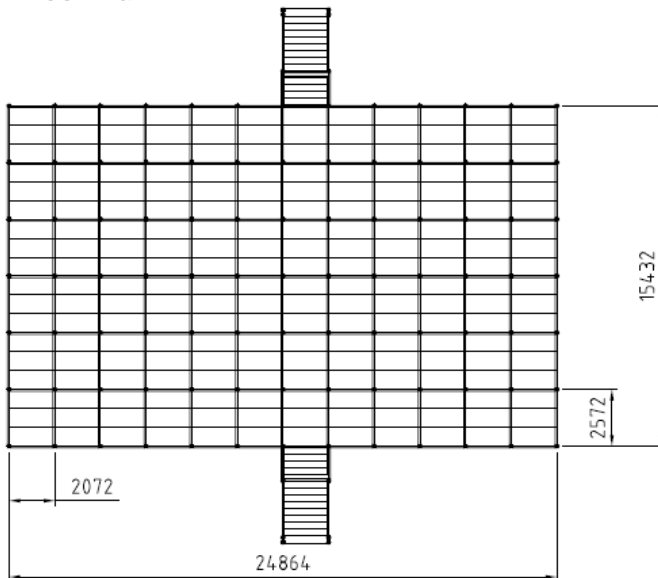
# Layher stage System is

## Decision-Making aids

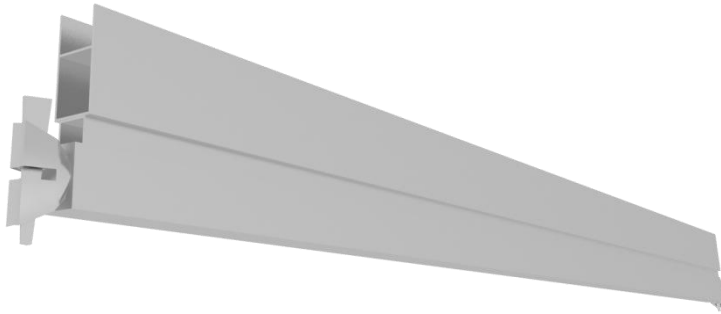


Module	EV 86	EV 86+	EV 86Q	EV 100	EV 104
Bay	2.07 x 2.57m	2.07 x 2.57m	2.57 x 2.57m	2.00 x 2.00m	2.07 x 2.07m
Deck type	Event deck	Event deck	Event deck	Event deck	Event deck
Deck size	0.86 x 2.07m	0.86 x 2.07m	0.86 x 2.57m	1.00 x 2.00m	1.04 x 2.07m
Decks per bay	3	3	3	2	2
Support element	Event transom	Event transom	Event transom	Event transom	Event transom
Support element Length	2.57m	2.57m	2.57m	2.00m	2.07m
Crosspiece support	-	Required	-	-	-
Perm. Load capacity	5.0kN/m²	7.5kN/m²	5.0kN/m²	7.5kN/m²	7.5kN/m²

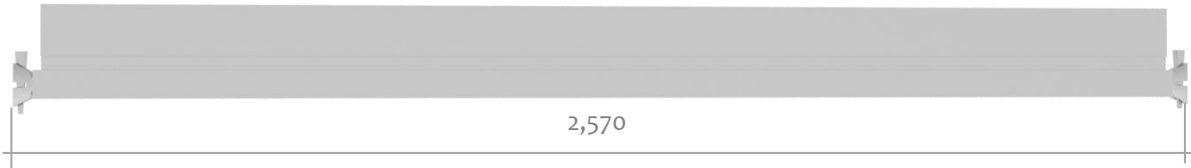
## CAD Floor Plan



## Layher stage Event transom



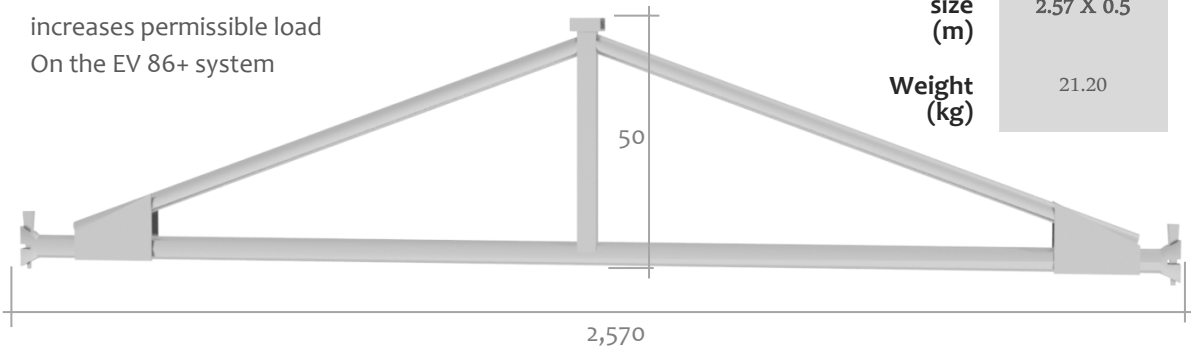
size (m)	2.07	2.57
Weight (kg)	12.00	14.60



## Transom support

increases permissible load  
On the EV 86+ system

size (m)	2.57 X 0.5
Weight (kg)	21.20



# GRAND STAND

–Grand stand i

–Grand stand System i

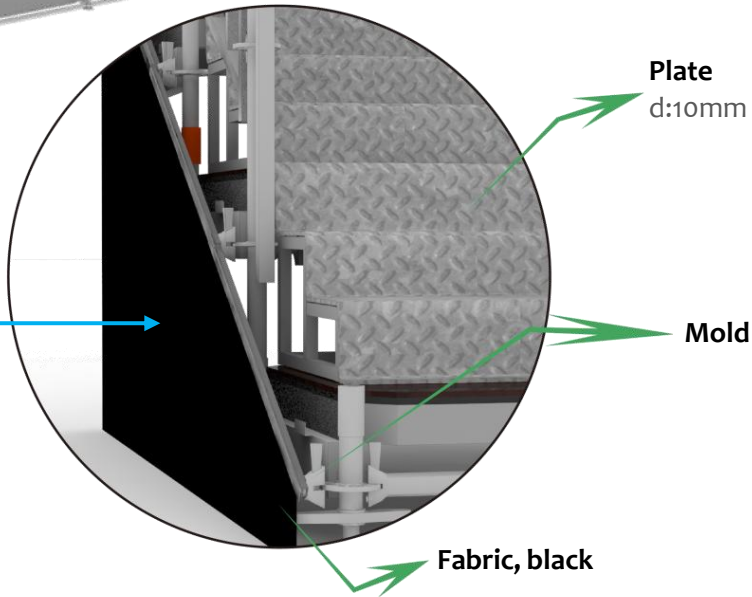
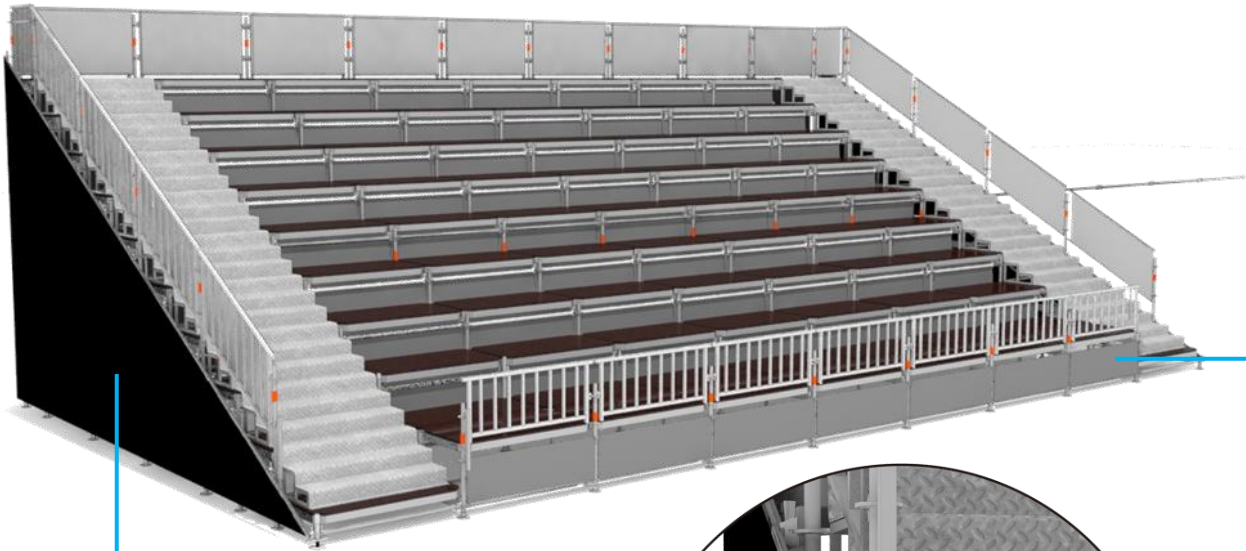
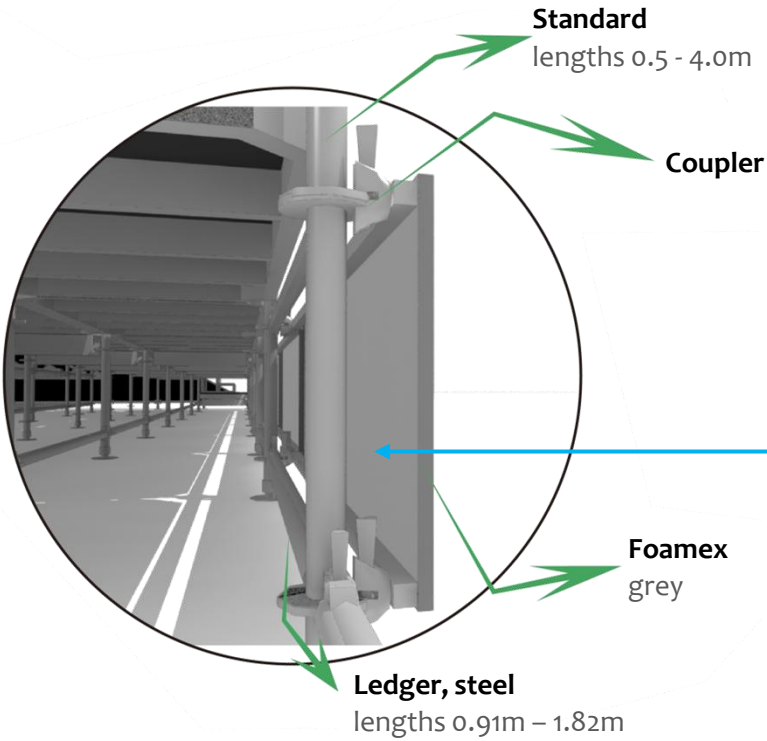
–Grand stand Material

The most important characteristics of seating stands are: sturdy material, sound workmanship, long service life, rapid assembly at changing locations, and low transport volume. The individual parts are easy to assemble and lightweight, so that they can be installed manually.



**Grand stand**

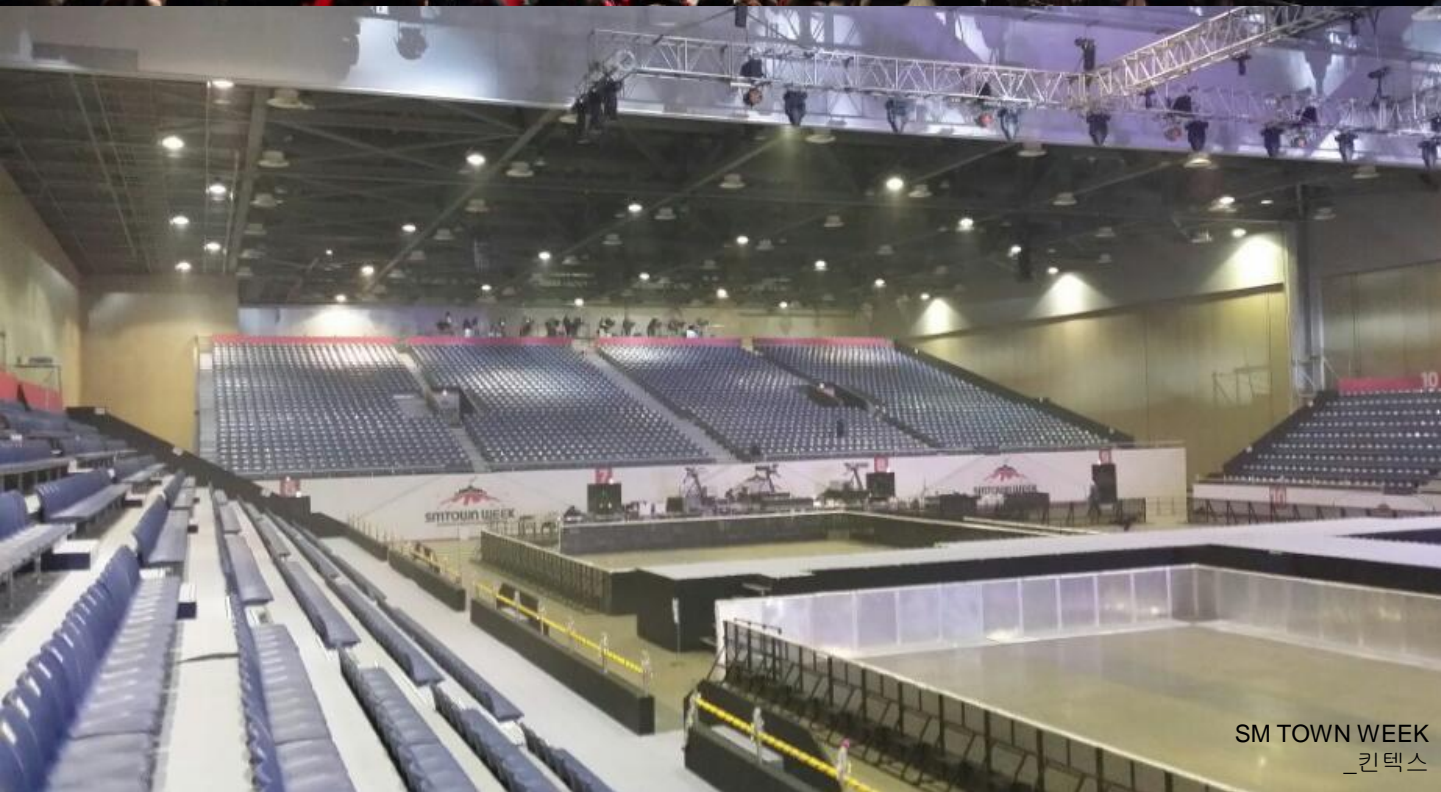
Grand stand  
Basic System is



Grand stand

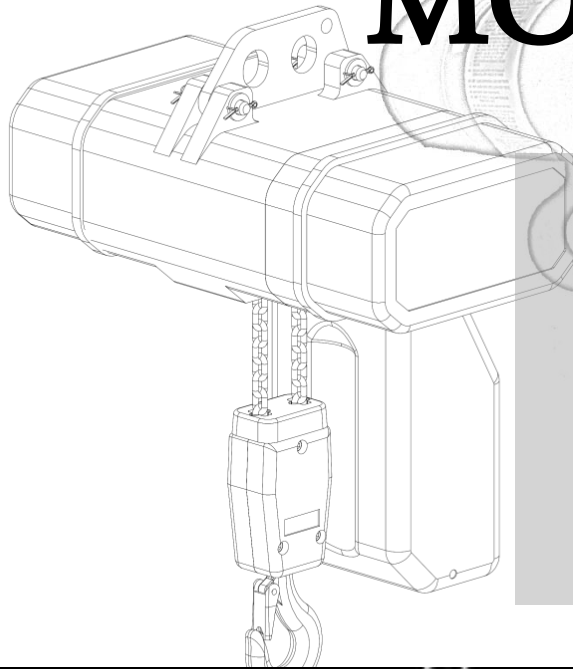


2013 던전파이트 페스티벌  
\_코엑스



SM TOWN WEEK  
\_킨텍스

# MOTORS



–Liftket  
Electronic Chain  
Hoist

–CM Electronic  
Chain Hoist

–LK Electronic  
Chain Hoist

Lightweight, quiet and portable. Motors is designed and built for the unique rigging needs encountered at small venues. Featuring an overload device that protects the hoist, operator and structure from damaging overloads.



ELECTRIC CHAIN HOIST

**motors**

## Motor

**LIFTKET**

MADE IN GERMANY

## LIFTKET Electric Chain Hoist

## Size &amp; Capacity

Capacity: KG(tons)

1,000kg(1.0ton)

Speed: m/min

4.8 m/min (1분당 4.8m)

Speed: cm/sec

8.0 cm/sec (1초당 8.0cm)

Hook block of chain

7.0\*22mm

Chain Length: m

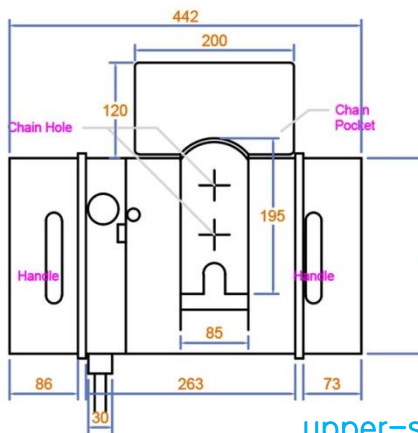
21m

Quantity: ea

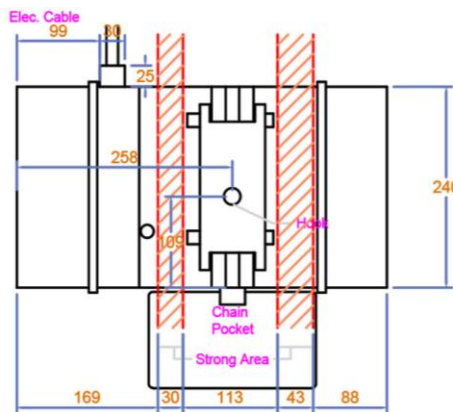
20ea



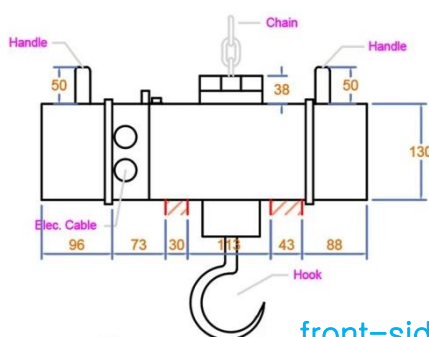
## PLAN VIEW



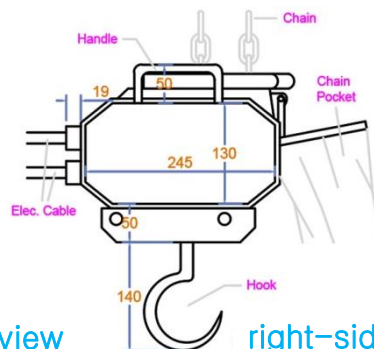
upper-side view



bottom-side view



front-side view



right-side view

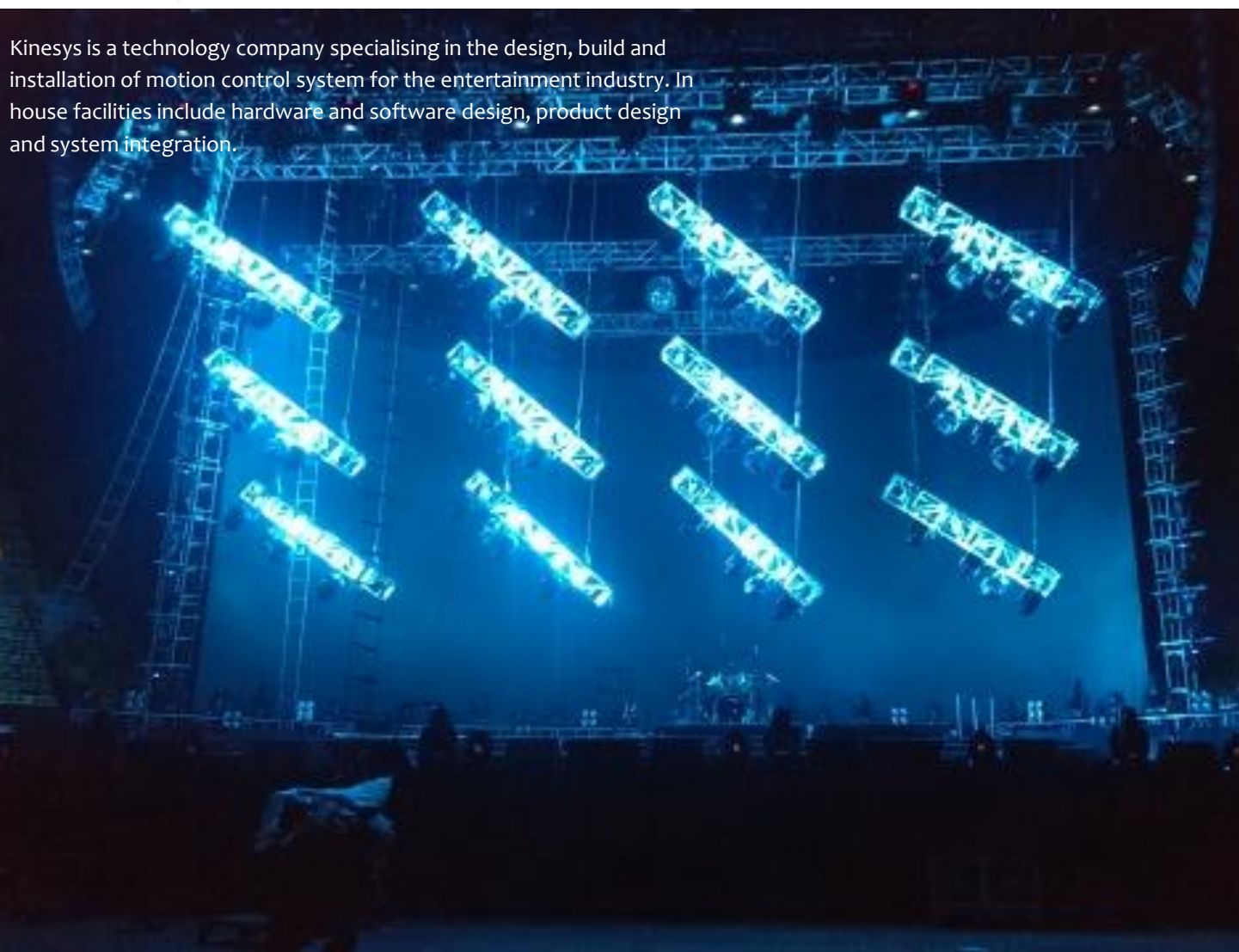




# KINESYS

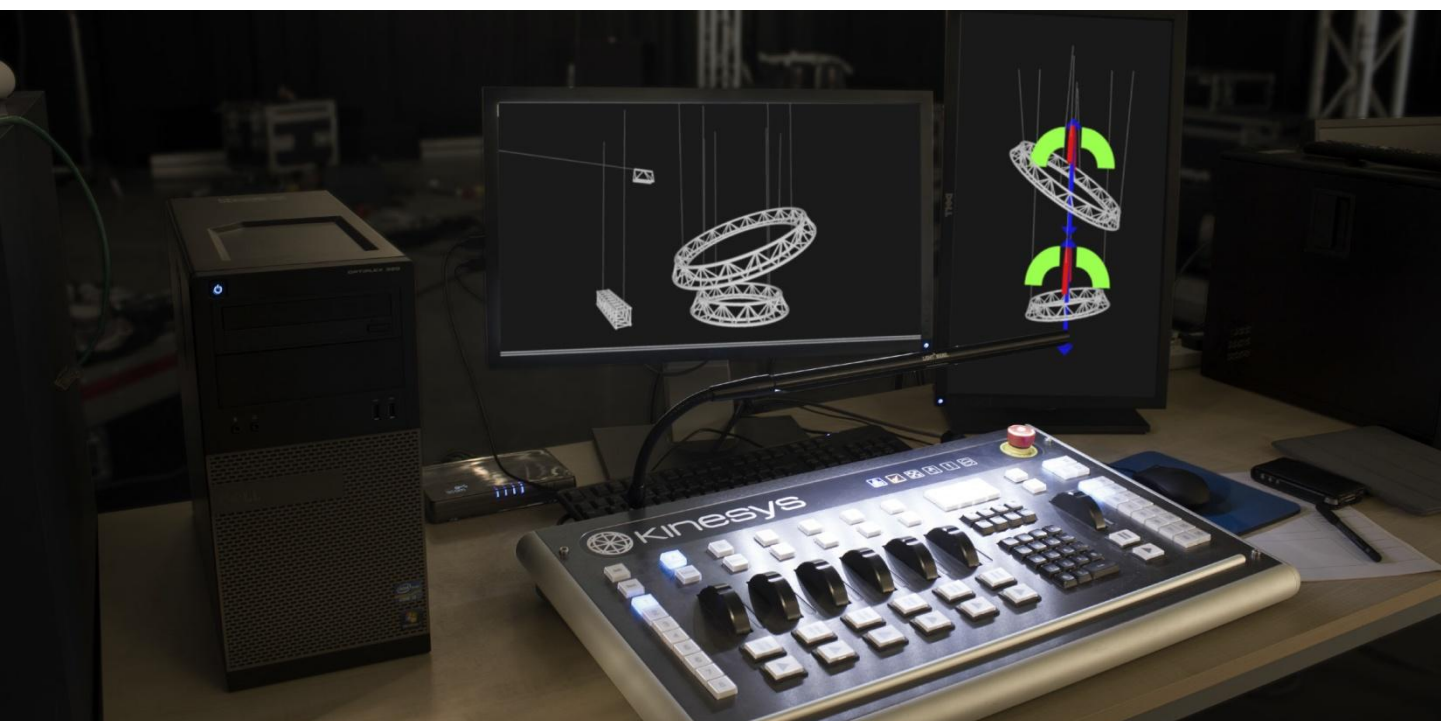
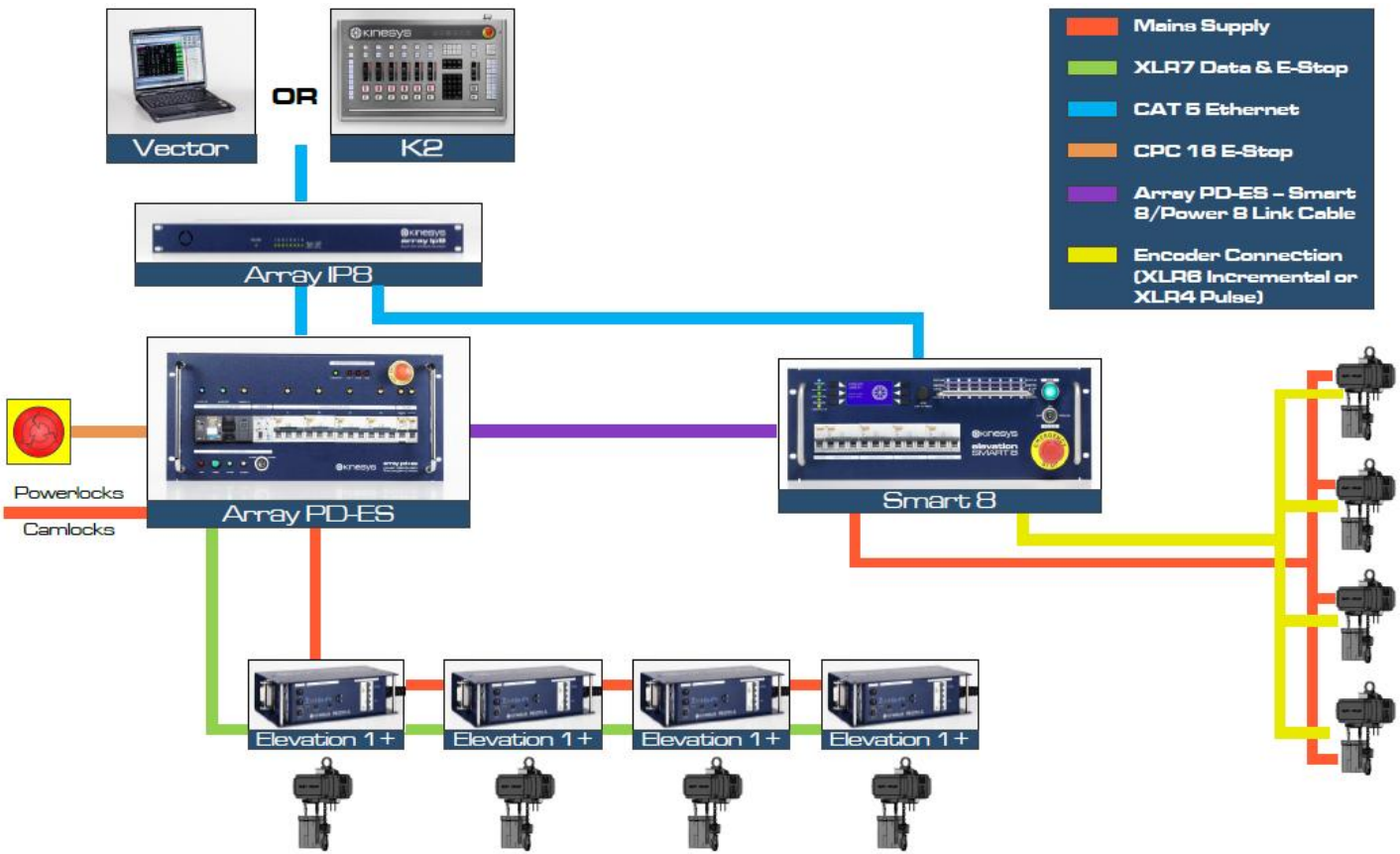
- About Kinesys System
- Forte Kinesys System
- Certification
- Reference

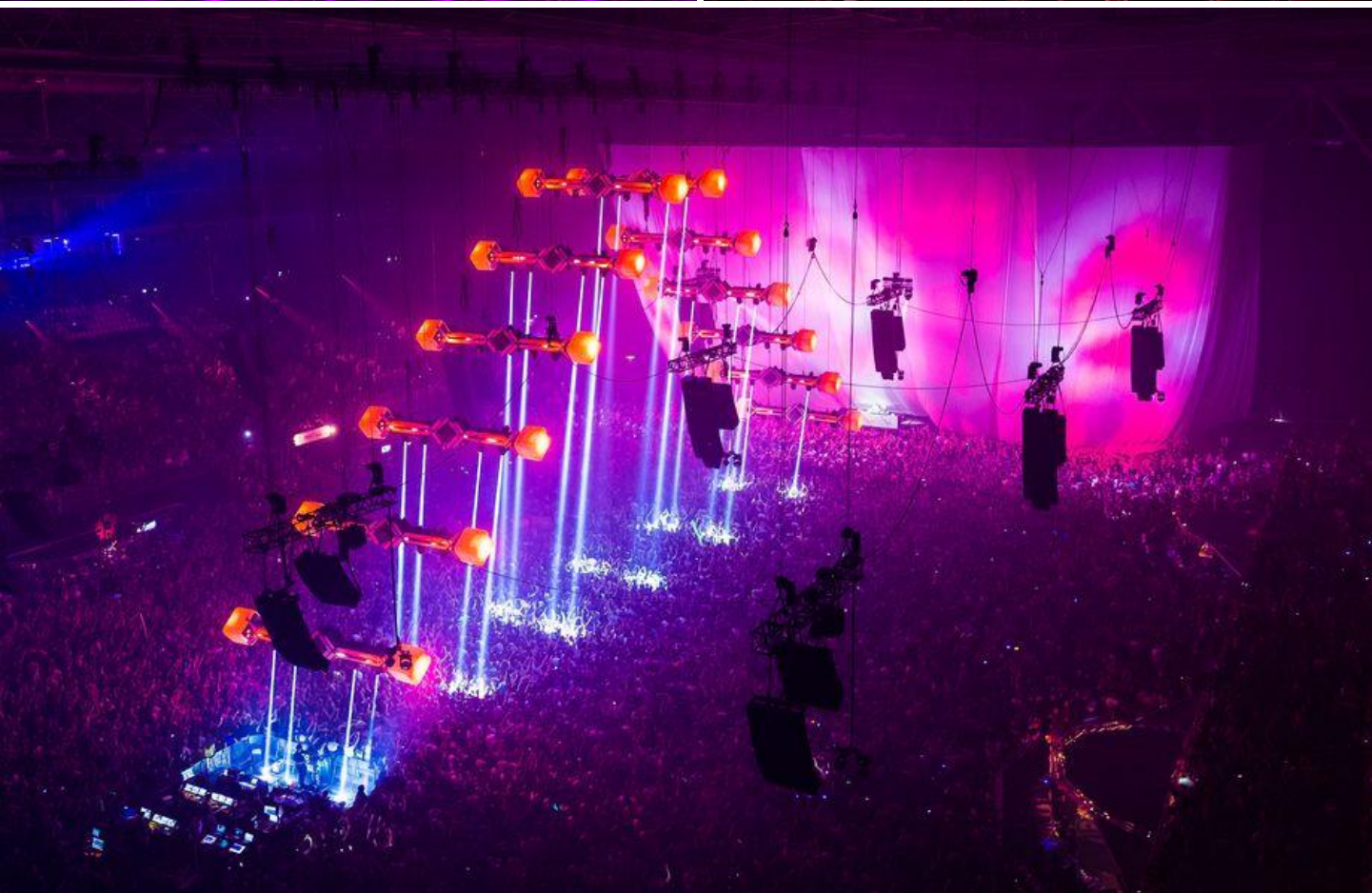
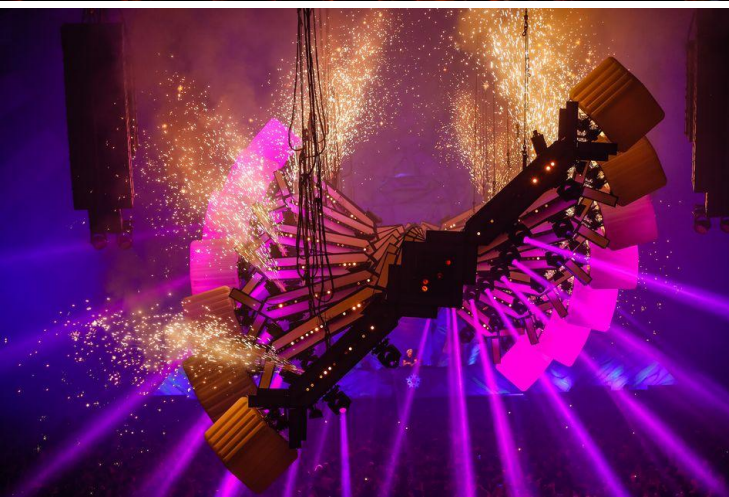
Kinesys is a technology company specialising in the design, build and installation of motion control system for the entertainment industry. In house facilities include hardware and software design, product design and system integration.



System Diagram

Elevation 1+ & Smart 8







Certificate of Completion

Vector Technical Training

This is to certify that

Lee SuKwon

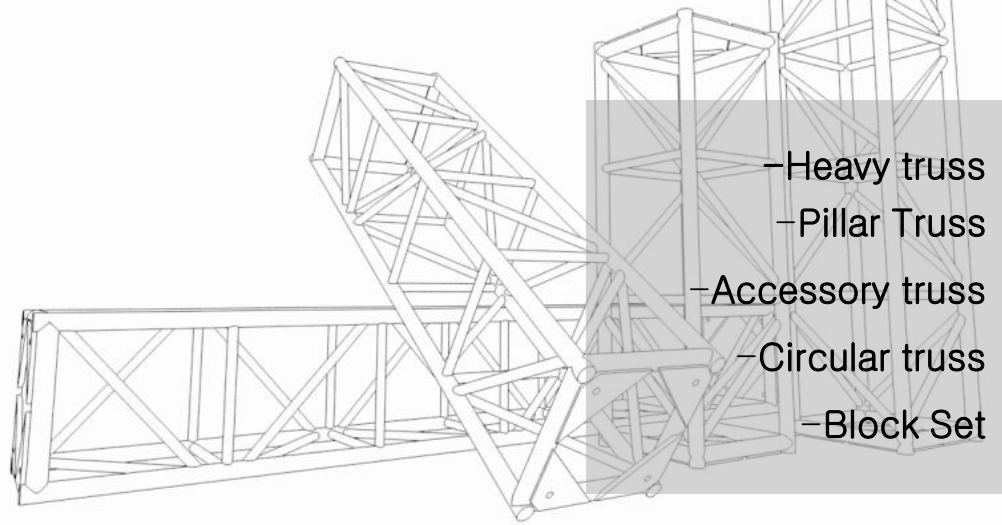
Attended and completed the above course  
run by Kinesys Projects Ltd

Signed: *M Honeywill*

Date: 17th - 18th March 2015

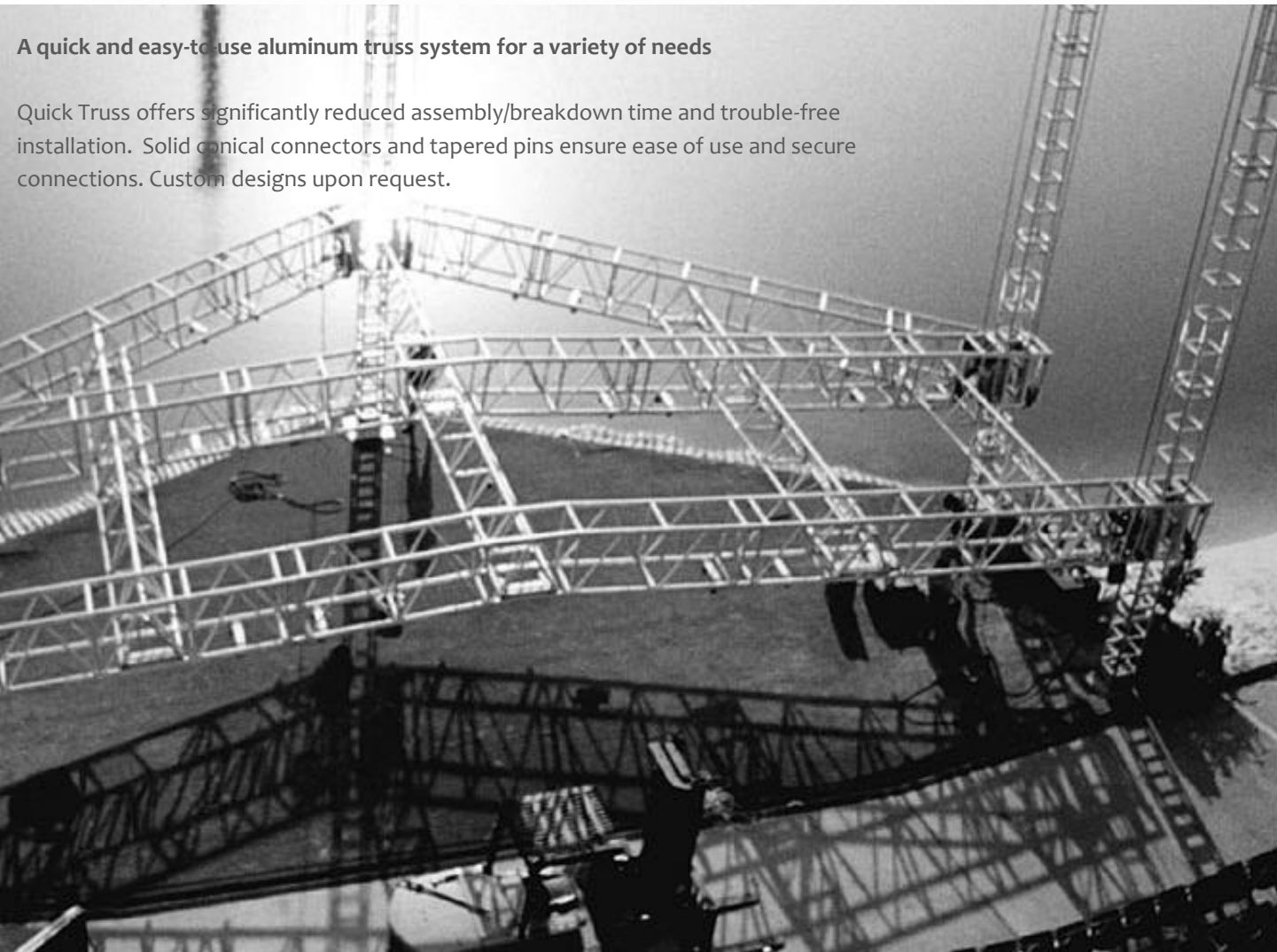


# TRUSS

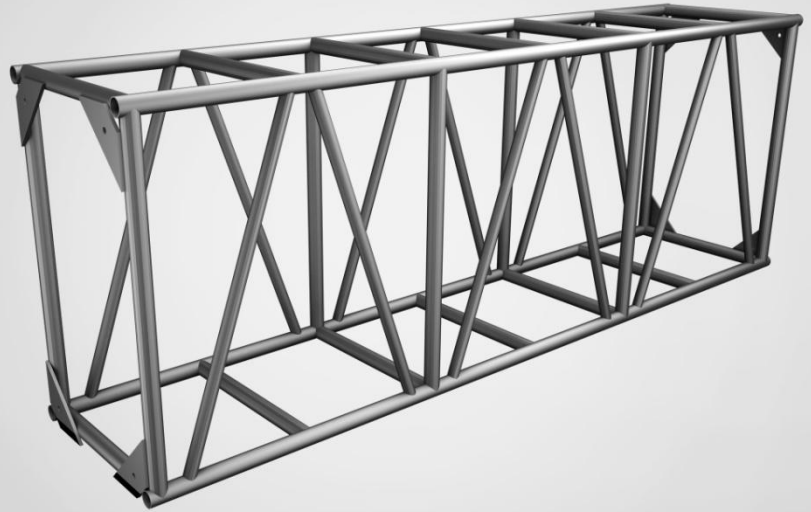
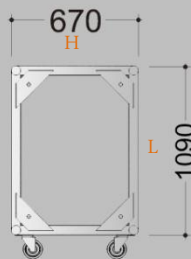
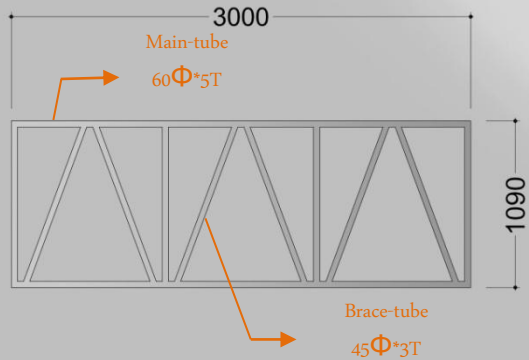
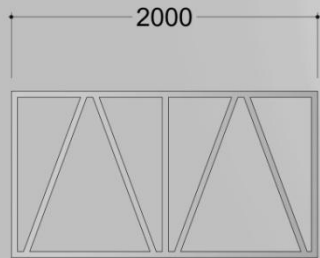
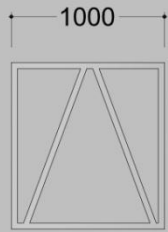


A quick and easy-to-use aluminum truss system for a variety of needs

Quick Truss offers significantly reduced assembly/breakdown time and trouble-free installation. Solid conical connectors and tapered pins ensure ease of use and secure connections. Custom designs upon request.



## Truss Heavy 1090

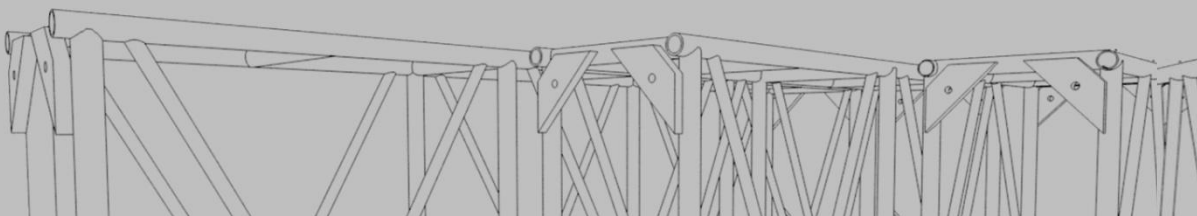


### Characteristic

- ▶ 트러스 소재:알루미늄 알로이 A6082-T6  
국내최초 사용
- ▶ 트러스 파이프 두께: 주 파이프(Main Tube) 60Φ\*5T(타사 50Φ\*4T )  
버팀살(Brace Tube) 45Φ\*3T(타사 40Φ\*3T )
- ▶ 헤비트러스 연결 핀: 머시닝센터 정밀가공 - 제품 High grade  
핀 방식 채택 - 견인하중과 조립속도 높임

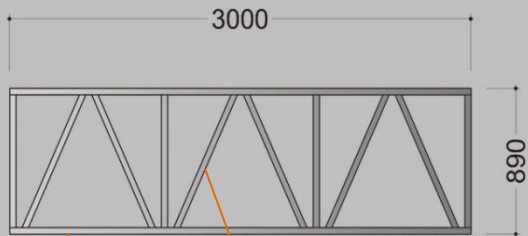
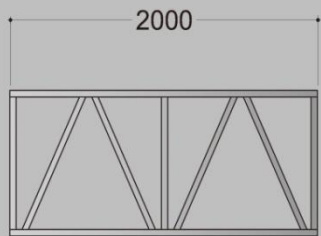
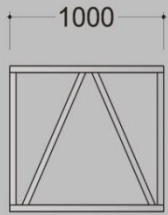
### Size & Capacity

L*H (mm)	W (mm)	WEIGHT (kg)	MAIN- TUBE	BRACE- TUBE
1090 * 670	1000	34.18	60Φ*5T	45Φ*3T
1090 * 670	2000	57.36	60Φ*5T	45Φ*3T
1090 * 670	3000	72.50	60Φ*5T	45Φ*3T



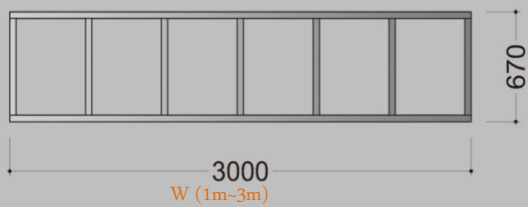
# Truss

## Heavy 890

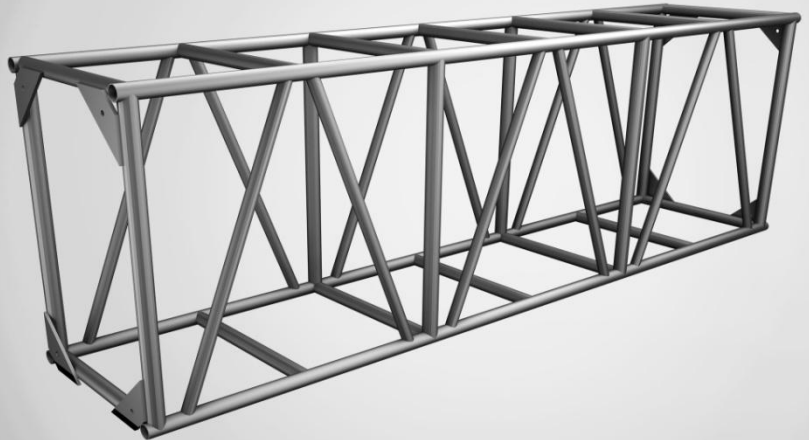
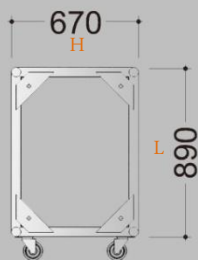


Main-tube  
50Φ\*4T

Brace-tube  
30Φ\*3T



3000  
W (1m-3m)

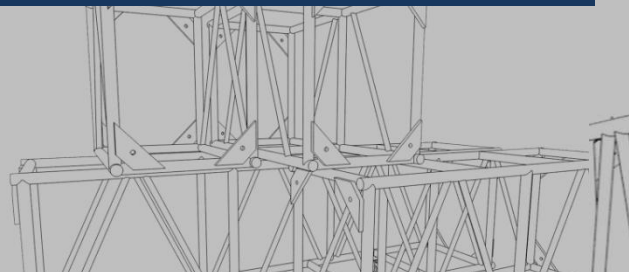


### Characteristic

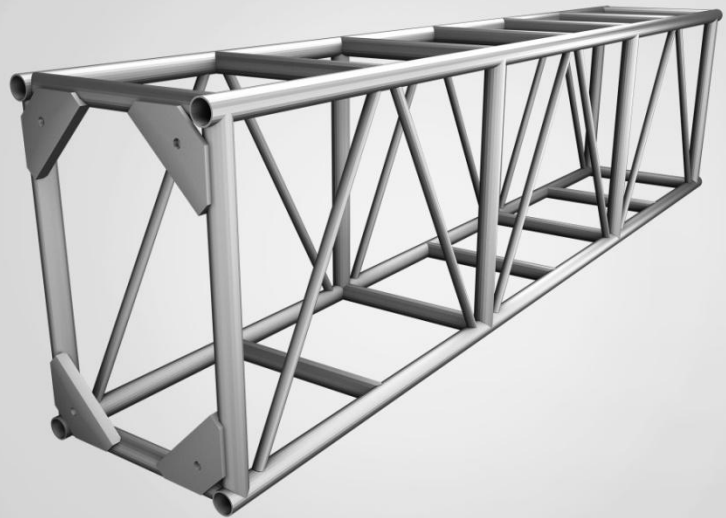
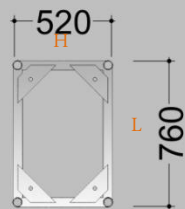
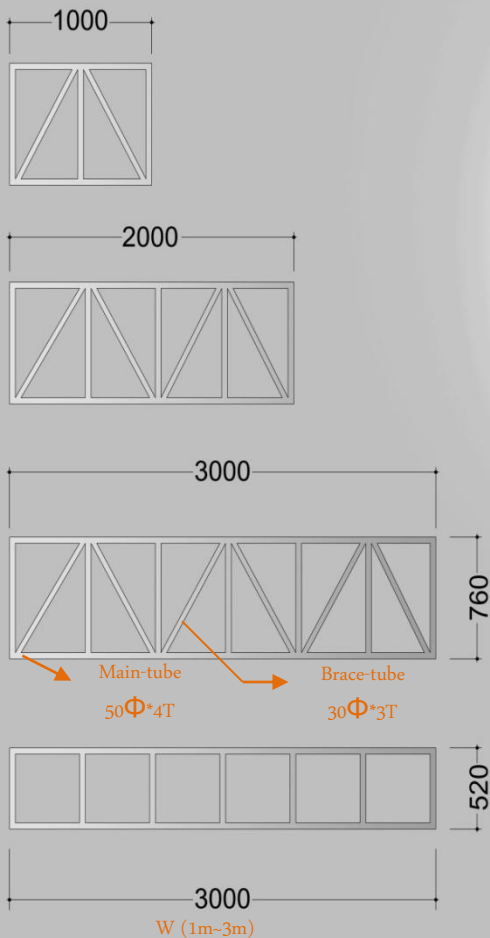
- ▶ 트러스 소재:알루미늄 알로이 A6082-T6  
국내최초 사용
- ▶ 트러스 파이프 두께: 주 파이프(Main Tube) 50Φ\*4T(타사 40Φ\*4T )  
버팀살(Brace Tube) 30Φ\*3T(타사 25Φ\*3T )
- ▶ 헤비트러스 연결 핀: 머시닝센터 정밀가공 - 제품 High grade  
핀 방식 채택 - 견인하중과 조립속도 높임

### Size & Capacity

L*H (mm)	W (mm)	WEIGHT (kg)	MAIN- TUBE	BRACE- TUBE
890 * 670	1000	25.54	50Φ*4T	30Φ*3T
890 * 670	2000	46.98	50Φ*4T	30Φ*3T
890 * 670	3000	62.50	50Φ*4T	30Φ*3T



## Truss Heavy 760



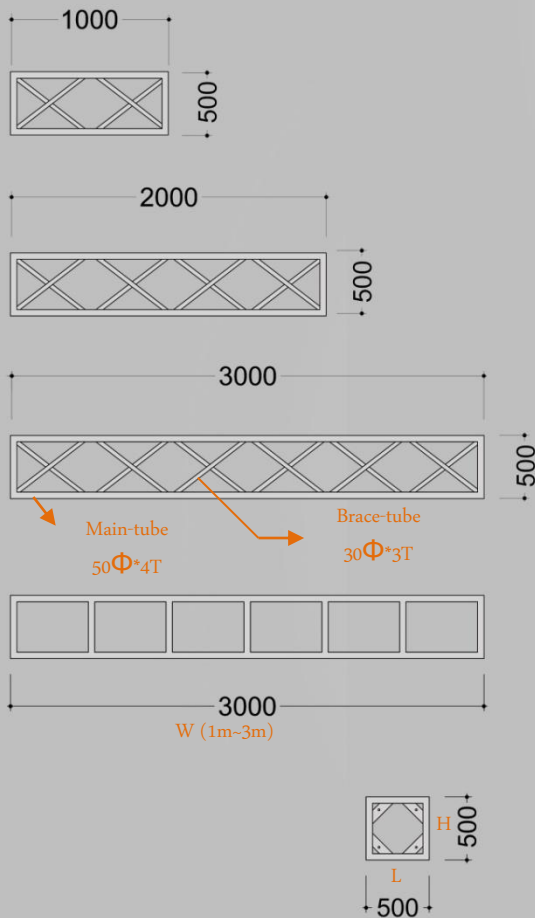
### Characteristic

- ▶ 트러스 소재:알루미늄 알로이 A6082-T6  
국내최초 사용
- ▶ 트러스 파이프 두께: 주 파이프(Main Tube) 50Φ\*4T(타사 40Φ\*4T )  
버팀살(Brace Tube) 30Φ\*3T(타사 25Φ\*3T )
- ▶ 헤비트러스 연결 핀: 머시닝센터 정밀가공 - 제품 High grade  
핀 방식 채택 - 견인하중과 조립속도 높임

### Size & Capacity

L*H (mm)	W (mm)	WEIGHT (kg)	MAIN- TUBE	BRACE- TUBE
760 * 520	1000	21.72	50Φ*4T	30Φ*3T
760 * 520	2000	34.50	50Φ*4T	30Φ*3T
760 * 520	3000	48.96	50Φ*4T	30Φ*3T

# Truss Pillar 500



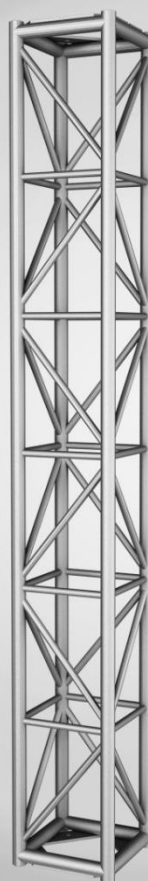
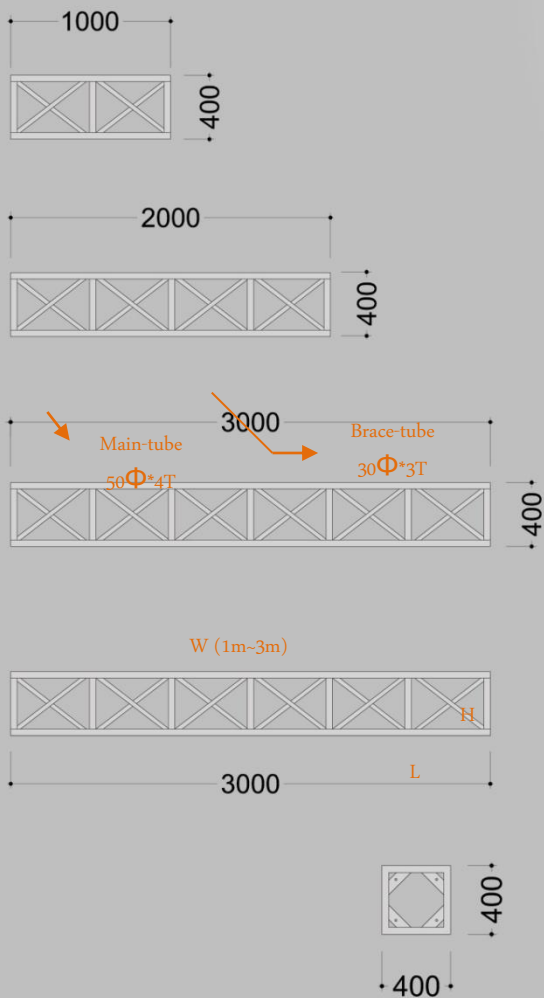
## Characteristic

- ▶ 트러스 파이프 두께: 주 파이프(Main Tube) 50Φ\*4T(타사 40Φ\*4T)  
버팀살(Brace Tube) 30Φ\*3T(타사 25Φ\*3T)
- ▶ 기둥트러스 수직부재: (3m기준)1면\*5개  
총20개보강 - 기둥힘 High grade
- ▶ 기둥트러스 연결부 판재: L\* 타입 판재 채택/2배효과

## Size & Capacity

L*H (mm)	W (mm)	WEIGHT (kg)	MAIN- TUBE	BRACE- TUBE
500 * 500	1000	19.34	50Φ*4T	30Φ*3T
500 * 500	2000	32.28	50Φ*4T	30Φ*3T
500 * 500	3000	45.76	50Φ*4T	30Φ*3T

# Truss Pillar 400



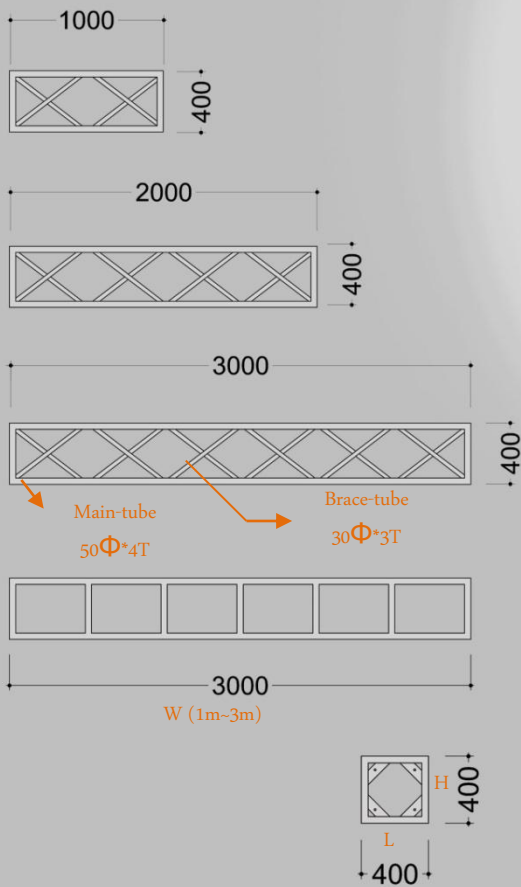
## Characteristic

- ▶ 트러스 파이프 두께: 주 파이프(Main Tube) 50Φ\*4T(타사 40Φ\*4T )  
버팀살(Brace Tube) 30Φ\*3T(타사 25Φ\*3T )
- ▶ 기둥트러스 수직부재: (3m기준)1면5개  
총20개보강 - 기둥힘 High grade
- ▶ 기둥트러스 연결부 판재: L\* 타입 판재 채택/2배효과

## Size & Capacity

L*H (mm)	W (mm)	WEIGHT (kg)	MAIN- TUBE	BRACE- TUBE
400 * 400	1000	16.96	50Φ*4T	30Φ*3T
400 * 400	2000	27.92	50Φ*4T	30Φ*3T
400 * 400	3000	37.26	50Φ*4T	30Φ*3T

Truss  
Accessories 400

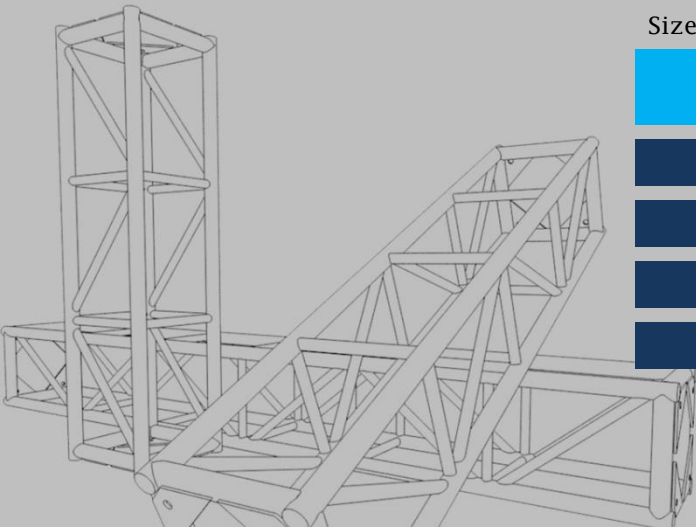


Characteristic

▶ 트러스 파이프 두께: 주 파이프(Main Tube) 50Φ\*4T(타사 40Φ\*4T )  
버팀살(Brace Tube) 30Φ\*3T(타사 25Φ\*3T )

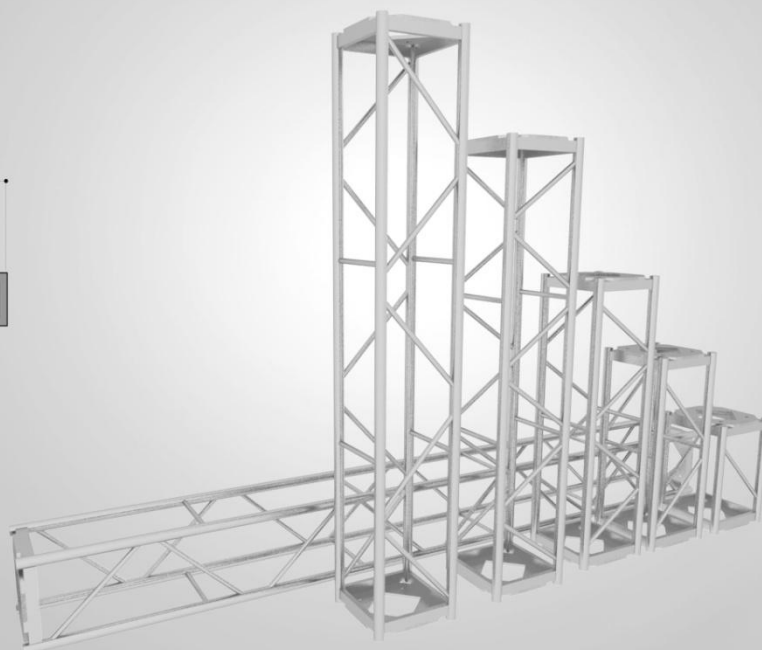
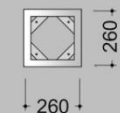
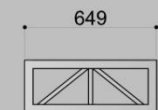
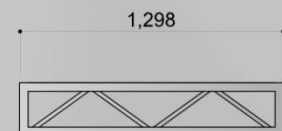
Size & Capacity

L*H (mm)	W (mm)	WEIGHT (kg)	MAIN- TUBE	BRACE- TUBE
400 * 400	400	8.98	50Φ*4T	30Φ*3T
400 * 400	1000	14.90	50Φ*4T	30Φ*3T
400 * 400	2000	22.86	50Φ*4T	30Φ*3T
400 * 400	3000	30.22	50Φ*4T	30Φ*3T



# Truss

## Accessories 260

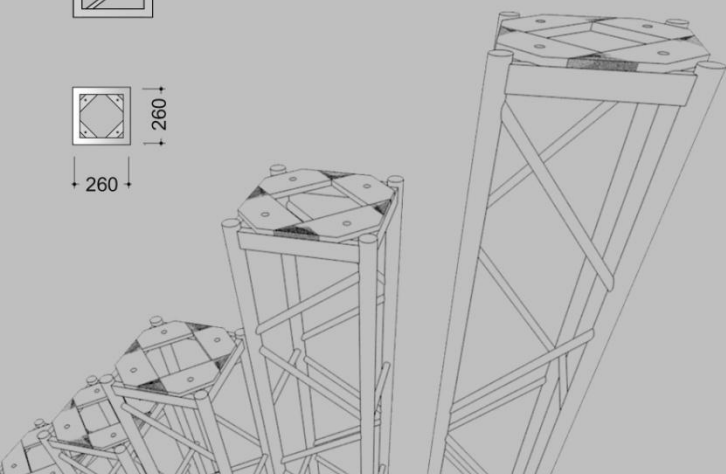


### Characteristic

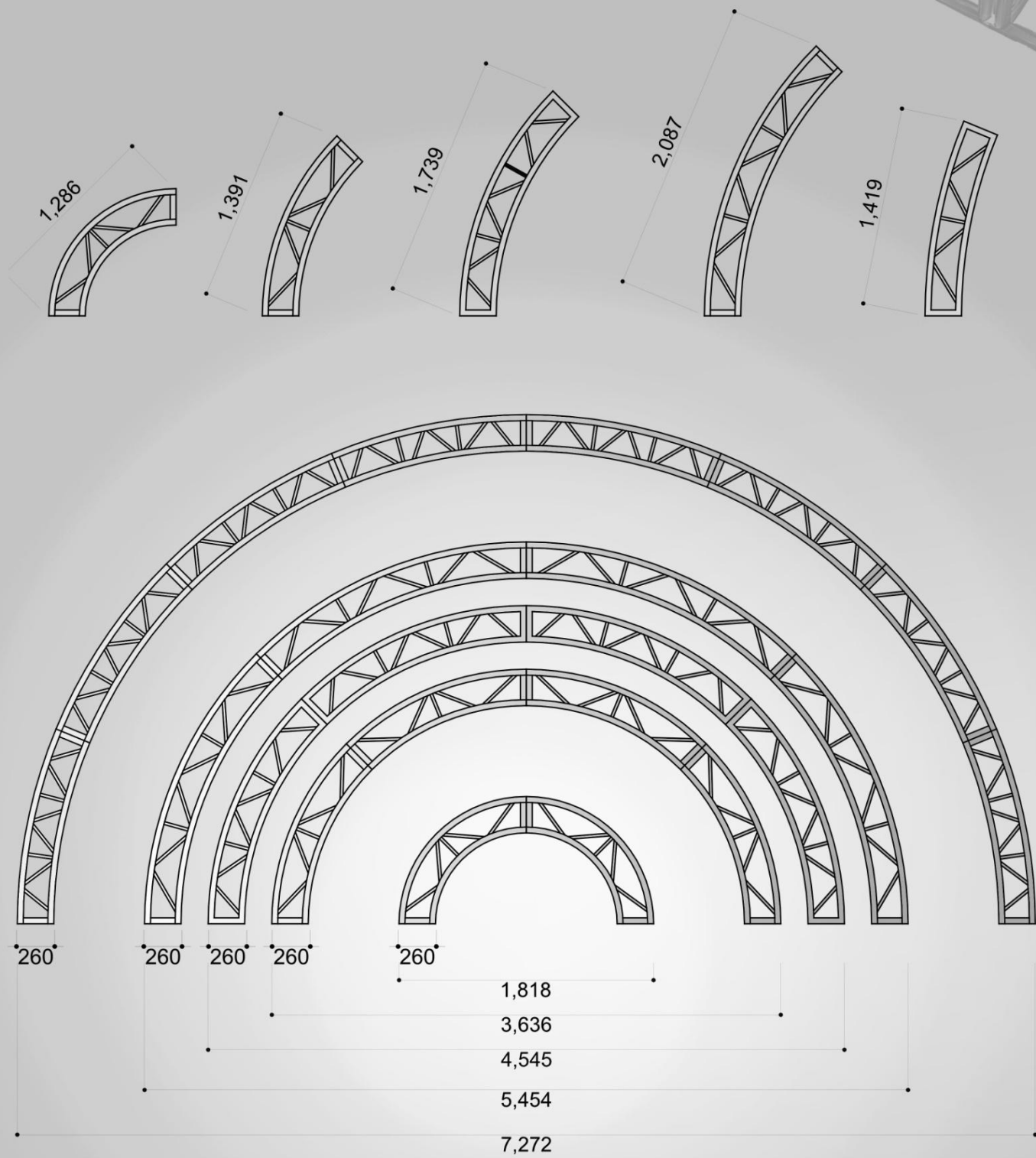
- ▶ 액세서리 트러스: 방송 기준(자 단위) / 다양한 SIZE

### Size & Capacity

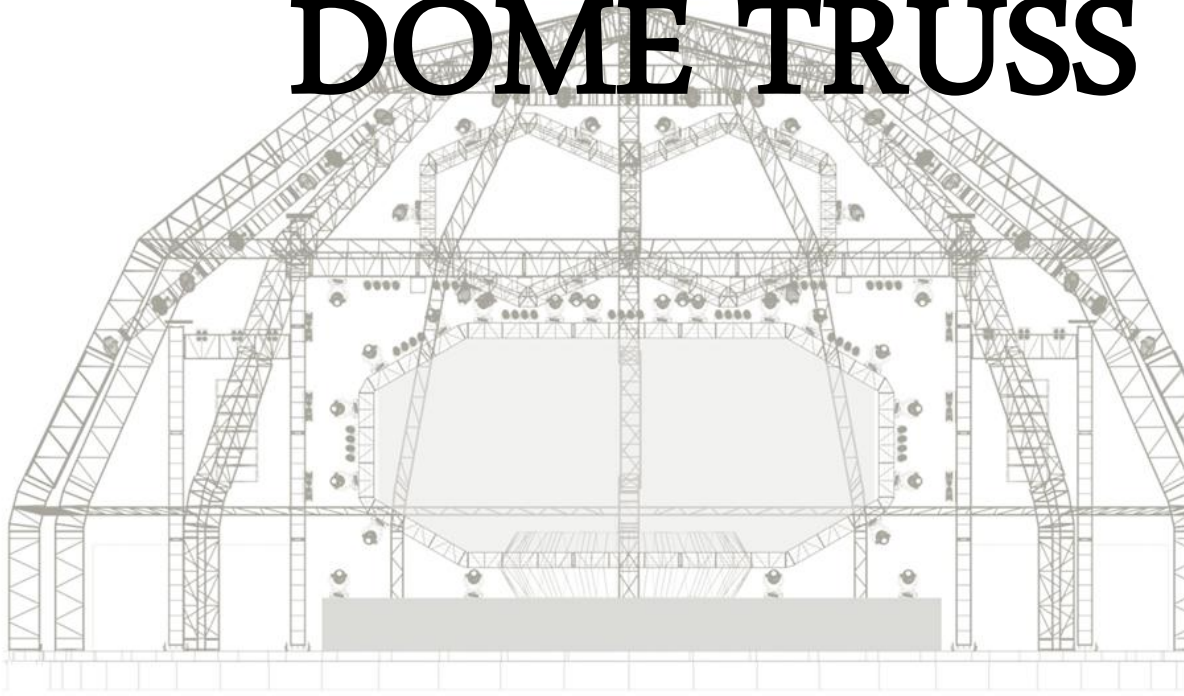
L*H (mm)	W (mm)	WEIGHT (kg)
260 *260	260	5.10
260 *260	389	5.70
260 *260	649	7.20
260 *260	909	7.50
260 *260	1298	10.00
260 *260	1558	10.90
260 *260	2467	15.10



Truss  
Circular 260

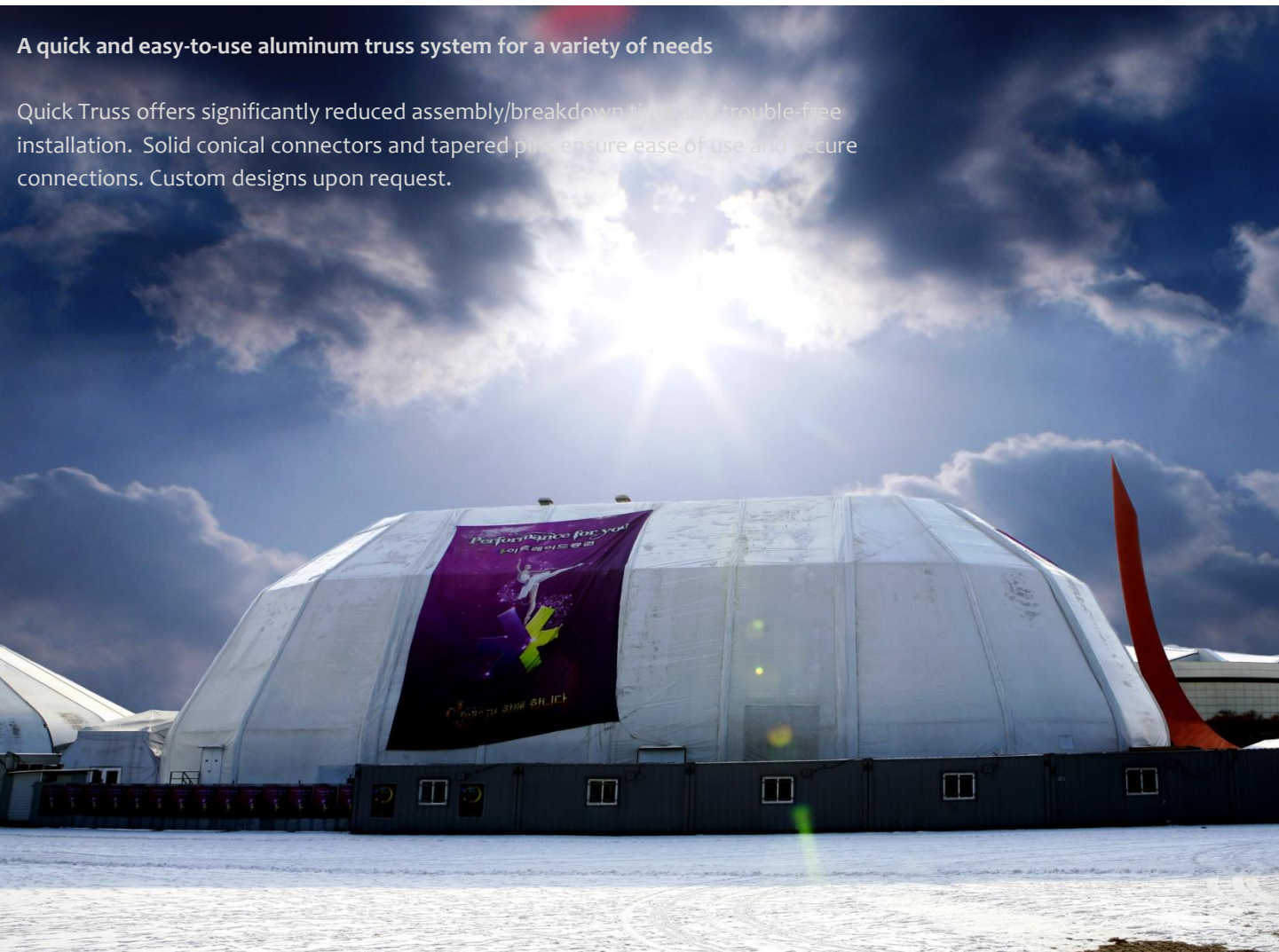


# DOME TRUSS



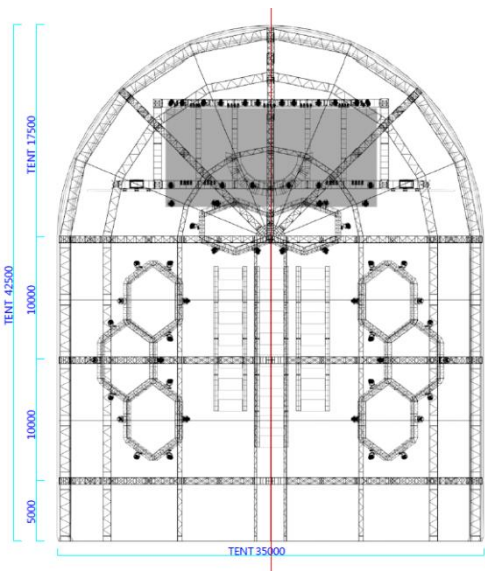
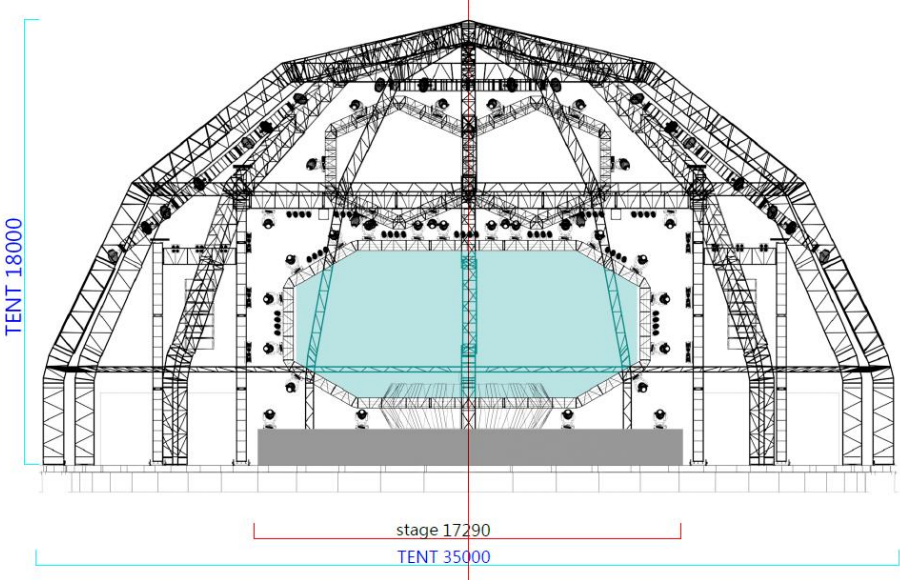
A quick and easy-to-use aluminum truss system for a variety of needs

Quick Truss offers significantly reduced assembly/breakdown time and trouble-free installation. Solid conical connectors and tapered pins ensure ease of use and secure connections. Custom designs upon request.



DOME TRUSS

UMF-CALCOX  
 Jamsil Station(2013.03.14~15)



Note	Item	Size	Qty
프레임	Heavy truss	1090 x 670 x 3000	40
		1090 x 670 x 2000	10
		1090 x 670 x 1000	10
		890 x 670 x 3000	40
		890 x 670 x 2000	10
		890 x 670 x 1000	10
		760 x 520 x 3000	40
		760 x 520 x 2000	10
		760 x 520 x 1000	10
	Pillar truss	500 x 500 x 3000	80
		500 x 500 x 2000	20
		500 x 500 x 1000	20
		400 x 400 x 3000	40
		400 x 400 x 2000	10
		400 x 400 x 1000	8
	Corner block	1090 x 860 x 860	10
		890 x 790 x 790	10
		760 x 670 x 670	8
	Head block	10t x 1100 x 190 x 150/2ton	20
		10t x 985 x 190 x 150/2ton	8
	Base	1300 x 1300 x 75	20
		850 x 850 x 75	8
	Hinge	1670 x 500 x 500	10
		1480 x 500 x 500	10
		1260 x 400 x 400	8
	Accessory truss	400 x 400 x 3000	60
		400 x 400 x 2000	40
		400 x 400 x 1000	40
		400 x 400 x 400	40
		500 x 500 x 3000(rigging)	10
		500 x 500 x 3000(light)	30
		400 x 400 x 3000	50
		400 x 400 x 1500	12
		500 x 500 x 500	10
		260 x 260 x 2467	150
		260 x 260 x 1558	200
		260 x 260 x 1298	150
		260 x 260 x 909	150
		260 x 260 x 649	150
		260 x 260 x 389	100
		260 x 260 x 260	350
		14544 x 14024 x 260_16	64
		10908 x 10388 x 260_16	64
		7272 x 6752 x 260_16	32
		7272 x 6752 x 260_8	16
		5454 x 4934 x 260_8	32
		4545 x 4025 x 260_8	32
		3636 x 3116 x 260_8	32
		1818 x 1298 x 260_4	16
	Hoist	Hoist (1.0 T motor)-CM	32
		Hoist (1.5 T motor)-Liftket	32
		Hoist (1.0 T motor)-Liftket	60
		Hoist (0.5 T motor)-Liftket	49
		Kinesys (0.5T)	20

레이어 총 물량			
Item	Size	Note	Qty
Base plate	60cm	-	1370
	60cm	Half	3
	80cm	Long	20
	20cm	Cut	4
Base plate_Wheel			30
Standard_	3m	-	4
	2m		3200
	1.75m	-	
	1.5m	-	180
		0.25	
	1m	-	195
		0.25	
	0.5m	-	100
Standard_Half	0.75m		
	0.25m	-	
	2m	-	123
	1.5m	-	34
O-ledger,steel	1m	-	
	0.5m	-	50
	3070	-	60
	2570		2400
	2070		2300
	1820	-	3600
	1400		470
	1090	-	200
	910	-	800
	730	-	43
	730	Lighting	30
	360	-	30
Brace	3070	-	34
	2570	2m	1300
		1m	30
	2070	2m	1250
		1m	18
	1820	2m	1535
		1m	180
	1400	-	320
	1090	-	100
	910	2m	520
		1m	177
	730	-	36
Bridging ledger	3640	-	2
	3070	-	9
	2570	-	29
	2070	-	50
	1820	-	59
Girder	5140		6
	4140	-	6
	3070	-	2
	2570		60
	2070	Steel	67
		Aluminum	4
	1820	-	6
Flat ledger	1400	-	12
	2570*2027	-	50
	2570	-	27
	2070	-	30
	1820	-	80
	1400	-	25
	1090	-	50

레이어 총 물량			
Deck	3070	Original	16
	2570	Original	350
		Aluminum	3
		Wide_0.19	3
	2070	Original	332
		Pipe,Steel	153
		Wide_0.19	3
	1820	Aluminum	55
		Pipe,Steel	200
	1400	Original	53
	1090	Original	57
	910	Aluminum	25
		aisiba	21
	730	Original	9
Corner deck	2	Original	4
	3	Original	8
	4	Original	8
	5	Original	4
	6	Original	4
LEC deck	3070	-	3
	2570	-	34
	2070	-	24
	1820	-	15
	1400	-	6
	1090	-	13
	910	-	21
	730	-	7
	1400p	-	
	1090p	-	
LEC ledger	3070	-	3
	2570	-	12
	2070	-	21
	1820	-	22
	1400	-	10
	1090	-	11
	910	-	7

레이어 총 물량

LEC head	-	-	41
Stairway	2570	-	30
	2070	-	10
	1820	-	10
Guardrail	-	계단용	
	-	스탠다드용	8
Bracket	730		15
	360		6
	730	brace	5
Twin wedge coupler	중 국	마징가	300
	국 산		74
Wedege hand couper60		박고조이고	40
Swinel coupler		조이고조이고	30
Reducing coupler-swivelling		박고박고	11
rosette coupler		홈 있음	50
rosette coupler		홈 없음	50
pipe Double coupler		파이브 용	50
Beam 2.07/2.57 (2wheel)	3070		3
Transom	1820		779
	910		1575
Plywood	1820	Aluminum	541
깔판 (오리지널)			180
뒤단 일자난간 (높은것)	1820 (1700*1140)		34
전면 일자난간 (낮은것)	1820 (1700*800)		34
사이드 사선난간대	1820 (1842*1202)		58
사이드 일자난간	910		10
사이드 사선난간	910		8
Seat set	-	4 seats	
Seat bracket	-	-	
Seat Support	-	-	
1	1.2T		20
H-beam Ballast	0.05T		128
wire vice(전선바이스)			110
wire(와이어)			110
견인바			80
네버블럭			18
Handy jack			3
Accessories truss	260 x 260 x 260		298
	260 x 260 x 389		93
	260 x 260 x 649		150
	260 x 260 x 909		145
	260 x 260 x 1298		149
	260 x 260 x 1558		200
	260 x 260 x 2467		138
Circular truss	1818 x 1298 x 260_4	6자(4set)	12
	3636 x 3116 x 260_8	12자(4set)	32
	4545 x 4025 x 260_8	15자(4set)	32
	5454 x 4934 x 260_8	18자(4set)	32
	7272 x 6752 x 260_8	24자(2set)	16
	7272 x 6752 x 260_16	24자(1set)	16
	10908 x 10388 x 260_16	36자(4set)	64
	14544 x 14024 x 260_16	48자(4set)	64
Truss wheel			56

PROFESSIONAL   
**FRAME**