





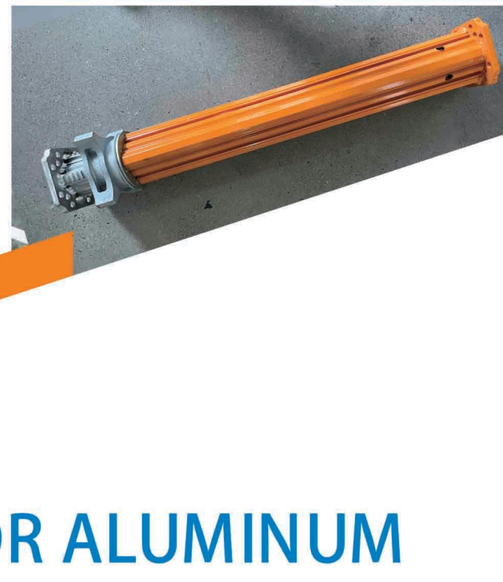

SUPERIOR ALUMINUM SCAFFOLDING SOLUTIONS

OVERVIEW OF RAPID

Rapid Formwork & Scaffolding Co.,Ltd.
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RAPID FORMWORK & SCAFFOLDING CO.,LTD.



RAPID FORMWORK & SCAFFOLDING CO.,LTD.

Rapid Formwork & Scaffolding Co.,Ltd. is a leading company in scaffolding industry in China. Since its establishment in 2004,Rapid has grown to take on new challenges and its continued success comes from valuing its clients and employees and a commitment to service, performance and quality. We are not only the expert in designing and manufacturing all kinds of steel scaffoldings and formwork system, but also we devote to being an expert in developing aluminum scaffoldings.Our main products include Ringlock (Allround),Octagonlock,Cuplock,Kwikstage,Haky,Frames,Props,etc.

Rapid has 2 production bases in Wuxi and Tangshan, with a total area of about 80,000m2 and a total annual production capacity of about 70,000T. We have 3 branches in Singapore,Malaysia,UAE, Rapid products are mainly sold to 89 countries including USA,Canada, Germany, UK, Singapore, Malaysia, Japan, Thailand, Australia and New Zealand.

Our Wuxi company has great location about 100km away from Shanghai Port, in which just 30 minutes away from Shanghai by train and one hour by car.

Rapid Scaffolding takes pride in having a team of highly experienced and suitably qualified engineering and technical experts. According to different requests from our clients, we can provide a whole range of scaffolding and formwork designing. We provide one-stop service for any project.

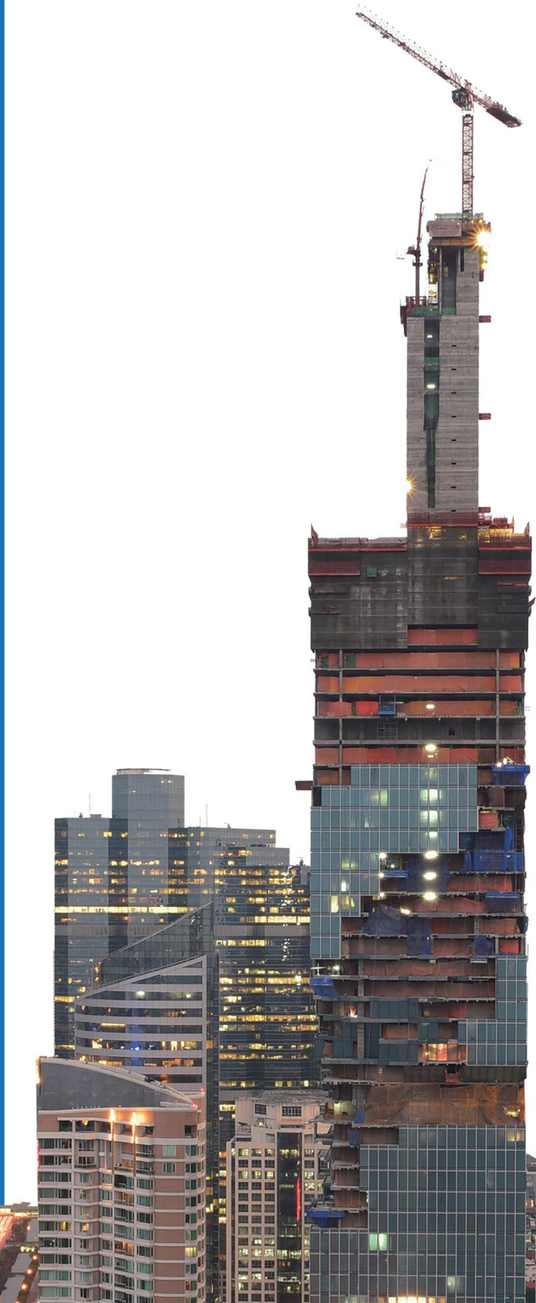
We have a highly experienced production team, which maintains top level of every stage of the production progress.Each team of workers is led by a supervisor who monitors daily works. Automated welding and robot welding systems are widely used. We develop new steel plank forming machine, which increases plank production capacity, about 1,000pcs per day. With experienced workers, advanced machines and good management, our capacity is about 50,000tons per year.

We have a complete quality control system, which guarantees the high quality of our products andassure all process is due to schedule. Rapid has obtained ISO9001, EN-1090, ISO14001, OHSAS18001 and our products have various certificates such as EN-12811, EN1004,AS/NZS1576.2, MS1462, JIS, CIDB etc.





CONTENT



01 Product of Aluminum Ringlock Scaffolding

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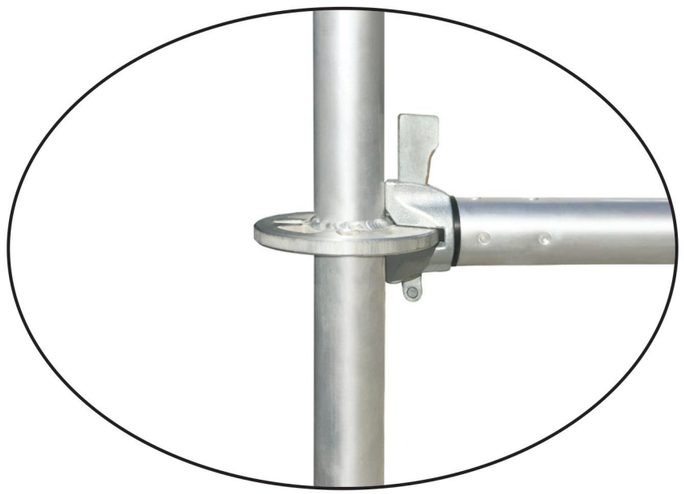


Ringlock Scaffolding System which makes an investment in a perfect and complete system with all the necessary approvals, and hence in rapid, safe, profitable and highly versatile scaffolding construction.





The unique combination of positive and rigid connection in a fast and non-bolted system permits a choice of automatically right-angled, linear or angled connections with built-in safety.

Up to 8 connections at various angles can be made in one plane with the statically ideal Allround connector. The assembly of the ringlock system is selfexplanatory. If required, you can insert tubular or U-ledgers to accommodate the system scaffolding decks: the stiffening effect of the latter means that longitudinal ledgers parallel to the deck are superfluous – a material and weight saving that brings additional assembly and transportation benefits.



Aluminum Ringlock Standard

ITEM NO.	MATERIAL	TUBE SIZE (MM)	LENGTH (MM)	N.W (KGS)
RARS050	6082-T6	48.3x4.0	500	1.38
RARS100	6082-T6	48.3x4.0	1000	2.33
RARS150	6082-T6	48.3x4.0	1500	3.27
RARS200	6082-T6	48.3x4.0	2000	4.22
RARS250	6082-T6	48.3x4.0	2500	5.17
RARS300	6082-T6	48.3x4.0	3000	6.12
RARS350	6082-T6	48.3x4.0	3500	7.07
RARS400	6082-T6	48.3x4.0	4000	8.02



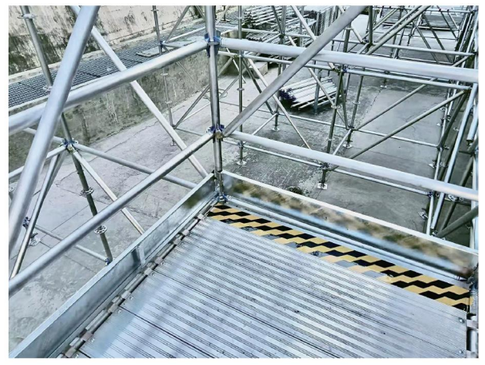
Aluminum Ringlock Diagonal Brace

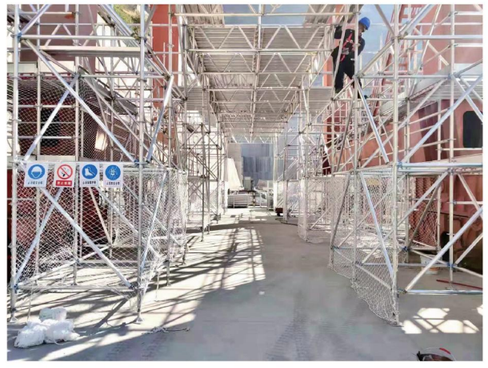
ITEM NO.	MATERIAL	TUBE SIZE (MM)	LENGTH (MM)	N.W (KGS)
RARB073	6082-T6	48.3x3.0	730x2000	3.79
RARB104	6082-T6	48.3x3.0	1040x2000	3.93
RARB109	6082-T6	48.3x3.0	1090x2000	3.96
RARB157	6082-T6	48.3x3.0	1570x2000	4.27
RARB207	6082-T6	48.3x3.0	2070x2000	4.66
RARB257	6082-T6	48.3x3.0	2570x2000	5.10
RARB307	6082-T6	48.3x3.0	3070x2000	5.57
Customized	6082-T6	48.3x3.0	Customized	Customized

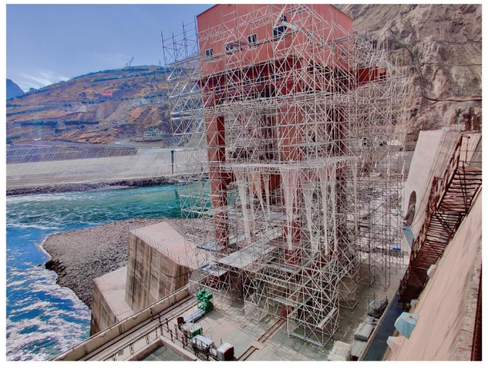


Aluminum Ringlock Ledger

ITEM NO.	MATERIAL	TUBE SIZE (MM)	LENGTH (MM)	N.W (KGS)
RARL073	6082-T6	48.3x3.0	730	1.64
RARL104	6082-T6	48.3x3.0	1040	2.00
RARL109	6082-T6	48.3x3.0	1090	2.06
RARL157	6082-T6	48.3x3.0	1570	2.61
RARL207	6082-T6	48.3x3.0	2070	2.61
RARL257	6082-T6	48.3x3.0	2570	3.77
RARL307	6082-T6	48.3x3.0	3070	4.35
Customized	6082-T6	48.3x3.0	Customized	Customized



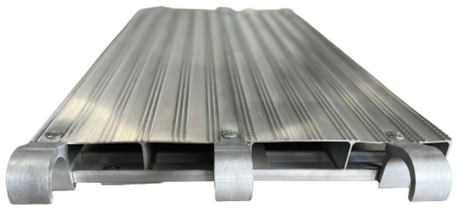






Dimension,surface,material and style can be specified





482.6mm All Aluminum Plank

ITEM NO.	MATERIAL	WIDTH (MM)	LENGTH (MM)	N.W (KGS)
RALAP073	6061-T6	482.6	730	5.96
RALAP104	6061-T6	482.6	1,040	7.61
RALAP109	6061-T6	482.6	1,090	7.88
RALAP157	6061-T6	482.6	1,570	10.44
RALAP207	6061-T6	482.6	2,070	13.1
RALAP257	6061-T6	482.6	2,570	15.77
RALAP307	6061-T6	482.6	3,070	18.43
Customized	6061-T6	482.6	Customized	

240mm All Aluminum Plank

ITEM NO.	MATERIAL	WIDTH (MM)	LENGTH (MM)	N.W (KGS)
RALAP24-060	6082-T6	240	600	2.89
RALAP24-090	6082-T6	240	900	3.75
RALAP24-120	6082-T6	240	1,200	4.6
RALAP24-150	6082-T6	240	1,500	5.46
RALAP24-180	6082-T6	240	1,800	6.31
RALAP24-200	6082-T6	240	2,000	6.88
RALAP24-240	6082-T6	240	2,400	8.02
Customized	6082-T6	240	Customized	









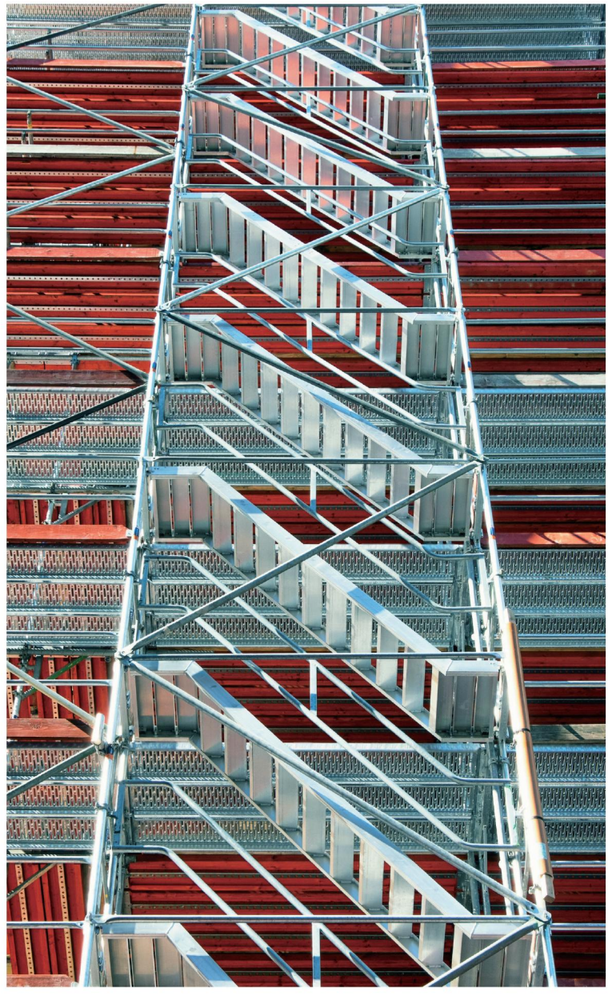
All Aluminum/Aluminum Plywood Hatch Plank

ITEM NO.	MATERIAL	WIDTH (MM)	LENGTH (MM)
RALAP073	6061-T6	610	730
RALAP104	6061-T6	610	1,040
RALAP109	6061-T6	610	1,090
RALAP157	6061-T6	610	1,570
RALAP207	6061-T6	610	2,070
RALAP257	6061-T6	610	2,570
RALAP307	6061-T6	610	3,070
Customized	6061-T6	Customized	Customized

Dimension,surface,material and style can be specified







Aluminum Stair

ITEM NO.	MATERIAL	WIDTH (MM)	INSTALLATION SPAN(MM)	Height (MM)
RAAS150	6061-T6	530	1500	2000
RAAS157	6061-T6	530	1570	2000
RAAS200	6061-T6	530	2000	2000
RAAS257	6061-T6	530	2570	2000
Customized	6061-T6	Customized	Customized	Customized



Aluminum Extension Ladder

Aluminum Extension Ladder

ITEM NO.	MATERIAL	WIDTH (MM)	EXTENSION LENGTH (MM)	LOAD (KGS)
RA-EX800	6061-T6	420	4600-8000	150
Customized	Customized	Customized	Customized	150

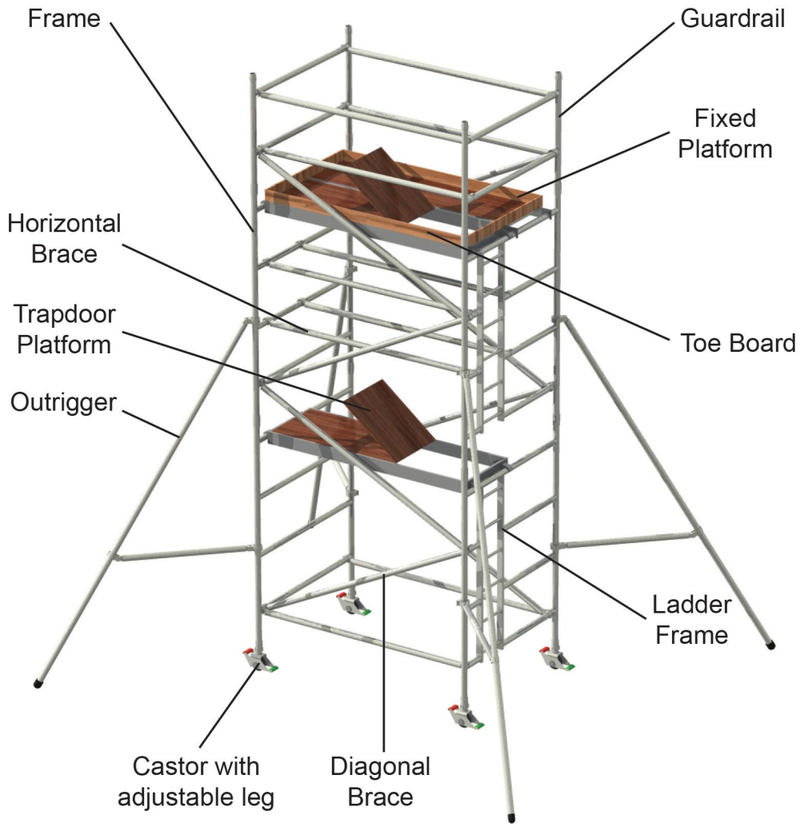
Dimension,surface,material and style can be specified



Double Width Tower



Single Width Tower



Aluminum Mobile Tower

ITEM NO.	MATERIAL	DIMENSION (MM)	TOWER HEIGHT (MM)	N.W. (KGS)
RSAS01	6061-T6	750x2000x3000	3,000	80.81
RSAS03	6061-T6	750x2000x5000	5,000	142.41
RSAS05	6061-T6	750x2000x7000	7,000	182.73
RSAS07	6061-T6	750x2000x9000	9,000	230.65
RSAS09	6061-T6	750x2000x11000	11,000	280.17
RSAS02	6061-T6	1350x2000x3000	3,000	103.07
RSAS04	6061-T6	1350x2000x5000	5,000	168.95
RSAS06	6061-T6	1350x2000x7000	7,000	213.55
RSAS08	6061-T6	1350x2000x9000	9,000	265.75
RSAS10	6061-T6	1350x2000x11000	11,000	319.55
RSAS12	6061-T6	1350x2000x13000	13,000	398.21
RSAS14	6061-T6	1350x2000x15000	15,000	428.23

Dimension,surface,material and style can be specified









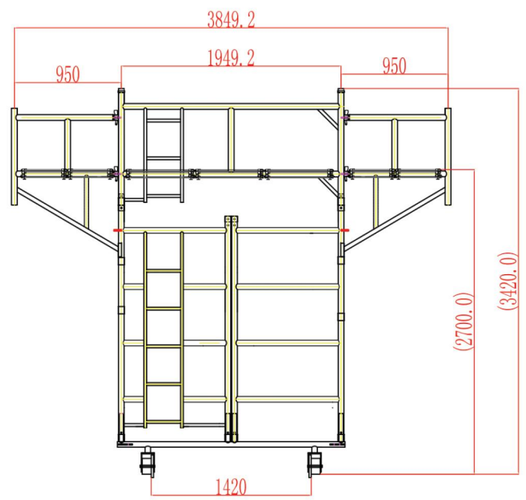
Foldable Aluminum Tower

ITEM NO.	MATERIAL	DIMENSION(MM)	TOWER HEIGHT(MM)	N.W. (KGS)
RSFAS01	6061-T6	740x1960x2800	2,800	68.56
RSFAS02	6061-T6	740x1960x3800	4,800	106.95

Tunnel Maintenance Scaffold Tower





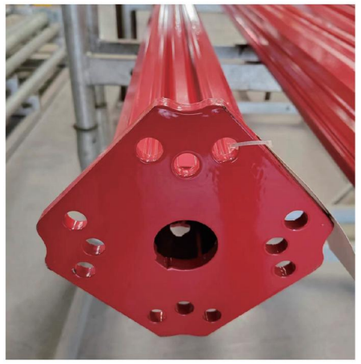
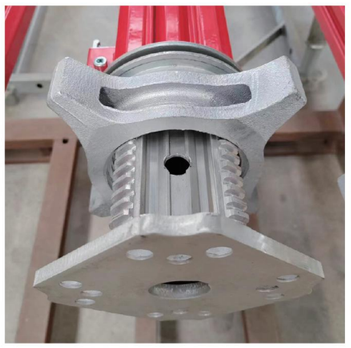
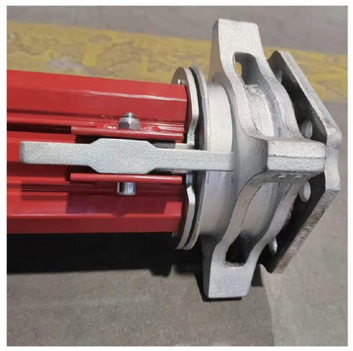


Dimension,surface,material and style can be specified



Aluminum Shoring Prop

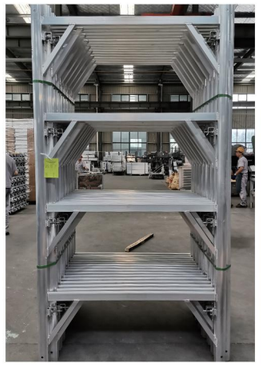
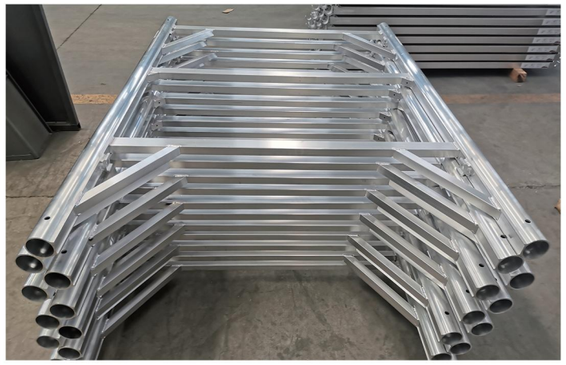
ITEM NO.	MATERIAL	DIMENSION(MM)	N.W. (KGS)
RASP120	6082-T6	800~1200	11.32
RASP250	6082-T6	1450~2500	16.81
RASP350	6082-T6	2000~3500	21.04
RASP480	6082-T6	2600~4800	26.54
RASP625	6082-T6	4300~6250	32.48

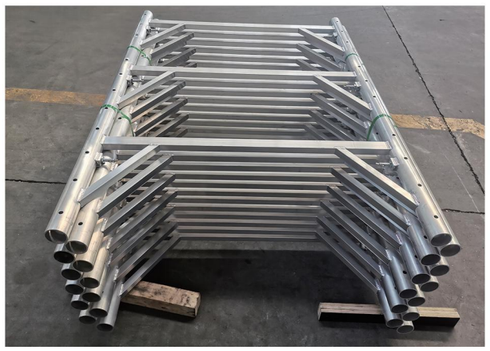







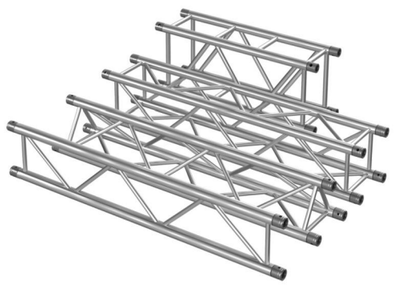

Aluminum Shoring Frame

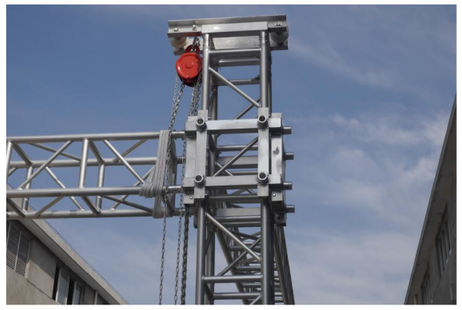
ITEM NO.	MATERIAL	WIDTH(MM)	LENGTH(MM)	N.W. (KGS)
RASF01	6082-T6	4'	4'	9.57
RASF02	6082-T6	4'	5'	12.79
RASF01	6082-T6	4'	6'	15.66
RASF02	6082-T6	4'	8'	22.23




Dimension,surface,material and style can be specified



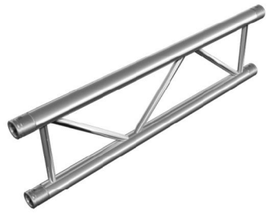


Spigot Truss is defined by the quick connection system.The greatest advantage of this type of connection lies in fast and easy assembly.



Triangle Spigot Truss

ITEM NO.	TUBE SIZE (MM)	CROSS-SECTION (MM)	LENGTH(MM)
RATT200	Main tube ¢ 50*3， Brace tube ¢ 25*2	200x200	Customized
RATT250	Main tube ¢ 50*3， Brace tube ¢ 25*2	250x250	Customized
RATT300	Main tube ¢ 50*3， Brace tube ¢ 25*2	300x300	Customized
RATT350	Main tube ¢ 50*3， Brace tube ¢ 25*2	350x350	Customized
RATT400	Main tube ¢ 50*3， Brace tube ¢ 25*2	400x400	Customized
RATT450	Main tube ¢ 50*3， Brace tube ¢ 25*2	450x450	Customized
RATT500	Main tube ¢ 50*3， Brace tube ¢ 25*2	500x500	Customized
RATT600	Main tube ¢ 50*3， Brace tube ¢ 25*2	500x600	Customized



Ladder Spigot Truss

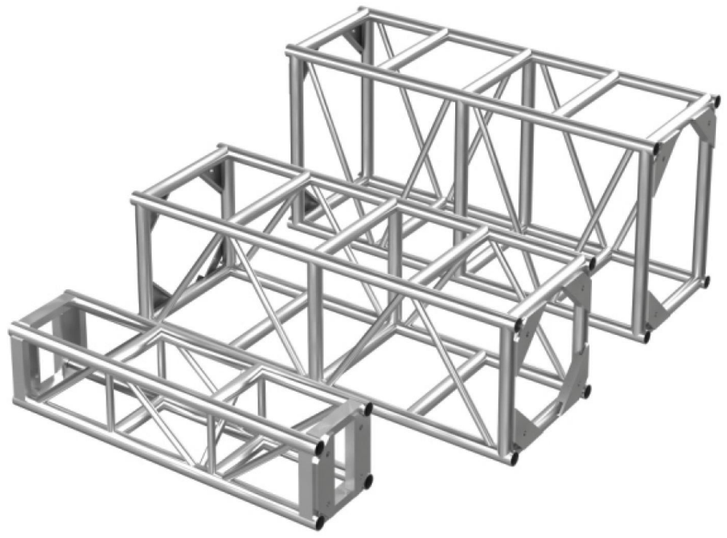
ITEM NO.	TUBE SIZE (MM)	CROSS-SECTION (MM)	LENGTH(MM)
RATD200	Main tube ¢ 50*3， Brace tube ¢ 25*2	200x200	Customized
RATD250	Main tube ¢ 50*3， Brace tube ¢ 25*2	250x250	Customized
RATD300	Main tube ¢ 50*3， Brace tube ¢ 25*2	300x300	Customized
RATD350	Main tube ¢ 50*3， Brace tube ¢ 25*2	350x350	Customized
RATD400	Main tube ¢ 50*3， Brace tube ¢ 25*2	400x400	Customized
RATD450	Main tube ¢ 50*3， Brace tube ¢ 25*2	450x450	Customized
RATD500	Main tube ¢ 50*3， Brace tube ¢ 25*2	500x500	Customized
RATD600	Main tube ¢ 50*3， Brace tube ¢ 25*2	500x600	Customized



Square Spigot Truss

ITEM NO.	TUBE SIZE (MM)	CROSS-SECTION (MM)	LENGTH(MM)
RATR200	Main tube ¢ 50*3， Brace tube ¢ 25*2	200x200	Customized
RATR250	Main tube ¢ 50*3， Brace tube ¢ 25*2	250x250	Customized
RATR300	Main tube ¢ 50*3， Brace tube ¢ 25*2	300x300	Customized
RATR350	Main tube ¢ 50*3， Brace tube ¢ 25*2	350x350	Customized
RATR400	Main tube ¢ 50*3， Brace tube ¢ 25*2	400x400	Customized
RATR450	Main tube ¢ 50*3， Brace tube ¢ 25*2	450x450	Customized
RATR500	Main tube ¢ 50*3， Brace tube ¢ 25*2	500x500	Customized
RATR600	Main tube ¢ 50*3， Brace tube ¢ 25*2	500x600	Customized

Dimension,surface,material and style can be specified



Bolted trusses are usually used in a variety of different fields. Our products are easy to set up & disassembly and give our customers great variety of possible installations.
Bolted Truss systems are commonly used for all kinds of applications from small lighting designs, exhibition and display booths to large stage structures. The trussing systems are used in entertainment, music and corporate events industries as well as by architects and designers.

200*200 Aluminum Bolt Truss

ITEM NO.	CROSS-SECTION (MM)	LENGTH(MM)	TUBE SIZE (MM)
RABT2100	200*200	1000	Main tube ¢ 25*2，Brace tube ¢ 15*1.5
RABT2200	200*200	2000	Main tube ¢ 25*2，Brace tube ¢ 15*1.5
RABT2300	200*200	3000	Main tube ¢ 25*2，Brace tube ¢ 15*1.5
Customized	200*200	Customized	Main tube ¢ 25*2，Brace tube ¢ 15*1.5

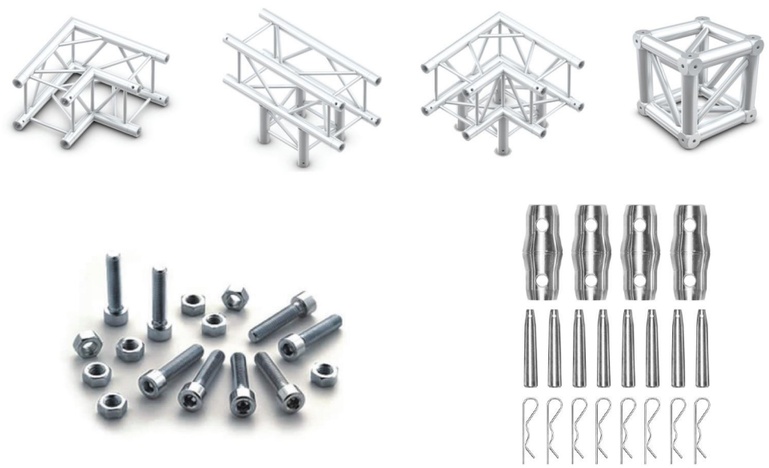
300*300 Aluminum Bolt Truss

ITEM NO.	CROSS-SECTION (MM)	LENGTH(MM)	TUBE SIZE (MM)
RABT3100	300*300	1000	Main tube ¢ 50*3，Brace tube ¢ 25*2
RABT3200	300*300	2000	Main tube ¢ 50*3，Brace tube ¢ 25*2
RABT3300	300*300	3000	Main tube ¢ 50*3，Brace tube ¢ 25*2
Customized	300*300	Customized	Main tube ¢ 50*3，Brace tube ¢ 25*2

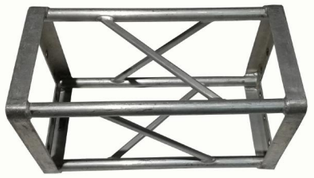
400*400 Aluminum Bolt Truss

ITEM NO.	CROSS-SECTION (MM)	LENGTH(MM)	TUBE SIZE (MM)
RABT4100	400*400	1000	Main tube ¢ 50*3，Brace tube ¢ 25*2
RABT4200	400*400	2000	Main tube ¢ 50*3，Brace tube ¢ 25*2
RABT4300	400*400	3000	Main tube ¢ 50*3，Brace tube ¢ 25*2
Customized	400*400	Customized	Main tube ¢ 50*3，Brace tube ¢ 25*2

Accessories



Dimension,surface,material and style can be specified

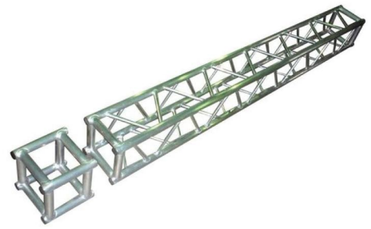


Japanese Aluminum 300mm Truss

ITEM NO.	MATERIAL	MAIN TUBE (MM)	BRACE TUBE (MM)	CROSS SECTION (MM)	LENGTH (MM)
AC-308	A6061-T6	32x2.0	22x12xT1.2	300x300	300
AC-600	A6061-T6	32x2.0	22x12xT1.2	300x300	600
AC-900	A6061-T6	32x2.0	22x12xT1.2	300x300	900
AC-1200	A6061-T6	32x2.0	22x12xT1.2	300x300	1200
AC-1500	A6061-T6	32x2.0	22x12xT1.2	300x300	1500
AC-1800	A6061-T6	32x2.0	22x12xT1.2	300x300	1800
AC-2100	A6061-T6	32x2.0	22x12xT1.2	300x300	2100
AC-2400	A6061-T6	32x2.0	22x12xT1.2	300x300	2400
AC-2700	A6061-T6	32x2.0	22x12xT1.2	300x300	2700
AC-3000	A6061-T6	32x2.0	22x12xT1.2	300x300	3000
AC-3600	A6061-T6	32x2.0	22x12xT1.2	300x300	3600

Japanese Aluminum 308mm Truss

ITEM NO.	MATERIAL	MAIN TUBE (MM)	BRACE TUBE (MM)	CROSS SECTION (MM)	LENGTH (MM)
ABX-308	A6061-T6	32x3.0	22x12xT1.8	308x308	308
ABX-600	A6061-T6	32x3.0	22x12xT1.8	308x308	600
ABX-900	A6061-T6	32x3.0	22x12xT1.8	308x308	900
ABX-1200	A6061-T6	32x3.0	22x12xT1.8	308x308	1200
ABX-1800	A6061-T6	32x3.0	22x12xT1.8	308x308	1800
ABX-2100	A6061-T6	32x3.0	22x12xT1.8	308x308	2100
ABX-2400	A6061-T6	32x3.0	22x12xT1.8	308x308	2400
ABX-2700	A6061-T6	32x3.0	22x12xT1.8	308x308	2700
ABX-3000	A6061-T6	32x3.0	22x12xT1.8	308x308	3000
ABX-3600	A6061-T6	32x3.0	22x12xT1.8	308x308	3600



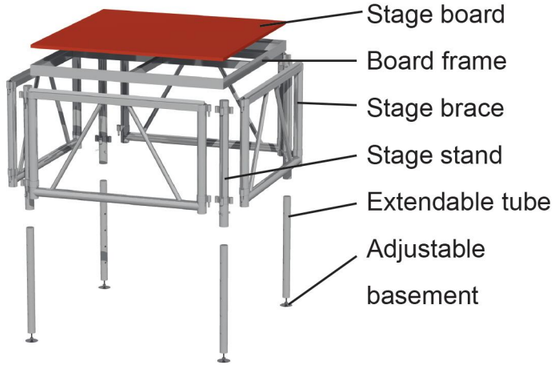
Japanese Aluminum 312mm Truss

ITEM NO.	MATERIAL	MAIN TUBE (MM)	BRACE TUBE (MM)	CROSS SECTION (MM)	LENGTH (MM)
ACZ-312	A6061-T6	32x3.0	20x2.0	312x312	312
ACZ-600	A6061-T6	32x3.0	20x2.0	312x312	600
ACZ-900	A6061-T6	32x3.0	20x2.0	312x312	900
ACZ-1200	A6061-T6	32x3.0	20x2.0	312x312	1200
ACZ-1500	A6061-T6	32x3.0	20x2.0	312x312	1500
ACZ-1800	A6061-T6	32x3.0	20x2.0	312x312	1800
ACZ-2400	A6061-T6	32x3.0	20x2.0	312x312	2400
ACZ-2700	A6061-T6	32x3.0	20x2.0	312x312	2700
ACZ-3000	A6061-T6	32x3.0	20x2.0	312x312	3000
ACZ-3600	A6061-T6	32x3.0	20x2.0	312x312	3600

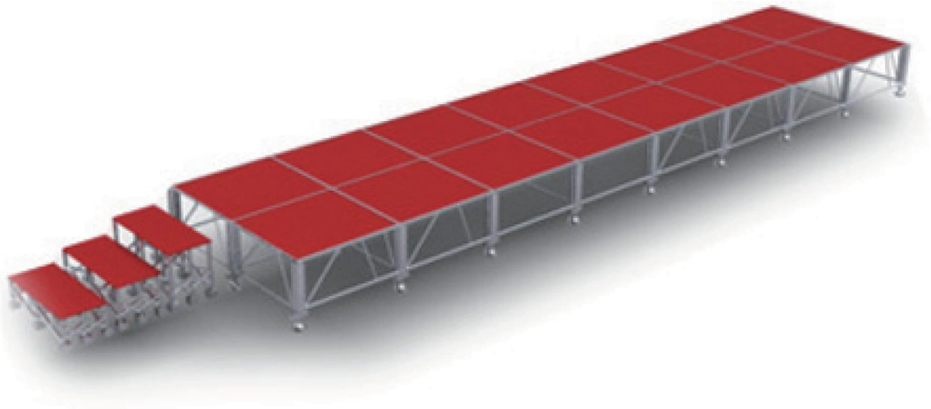
Japanese Aluminum 450mm Truss

ITEM NO.	MATERIAL	MAIN TUBE (MM)	BRACE TUBE (MM)	CROSS SECTION (MM)	LENGTH (MM)
ABD-450	A6061-T6	48.3x3.0	22x12xT1.8	450x450	450
ABD-900	A6061-T6	48.3x3.0	22x12xT1.8	450x450	900
ABD-1350	A6061-T6	48.3x3.0	22x12xT1.8	450x450	1350
ABD-1800	A6061-T6	48.3x3.0	22x12xT1.8	450x450	1800
ABD-2700	A6061-T6	48.3x3.0	22x12xT1.8	450x450	2700
ABD-3600	A6061-T6	48.3x3.0	22x12xT1.8	450x450	3600

Dimension,surface,material and style can be specified







Aluminum Portable Stage is the most rugged, heavy-duty portable outdoor stage on the market today with these amazing features:

Modular design allows the stage to be expanded or configured as needed.

Lightweight, durable and rugged all-aluminum construction.

Stairs, guardrails and skirting are available.

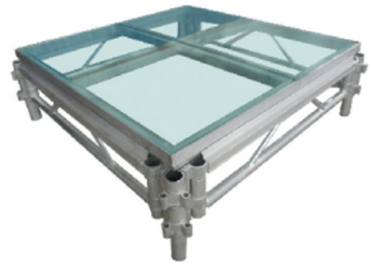
Our aluminum portable stage can make many of size of it, the standard size is 1.22×1.22m, 1.22×2.44m. The next standard size is 1×1m,1×2m. Any other size can be customized, such as circular stage, oval stage, special stage...etc.

The stage top panel we have many of material can be chosen, such as non-slip plywood, carpet stick the plywood, toughened glass, plexiglass and so on.



Aluminum Ringlock Diagonal Brace
Load Bearing:760Kg/Sqm

ITEM NO.	MATERIAL	TUBE SIZE (MM)	CROSS-SECTION (MM)	Height (MM)
RALST60	6061-T6	50.6*2	1220*1220	600-1200

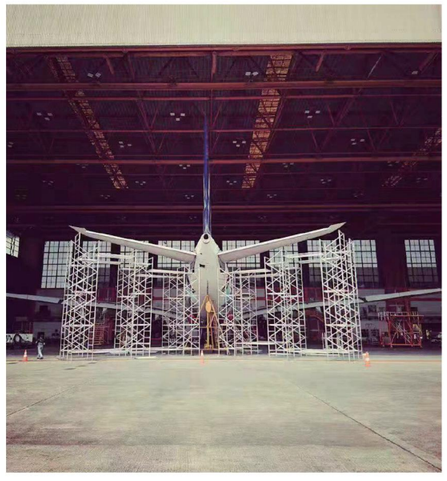


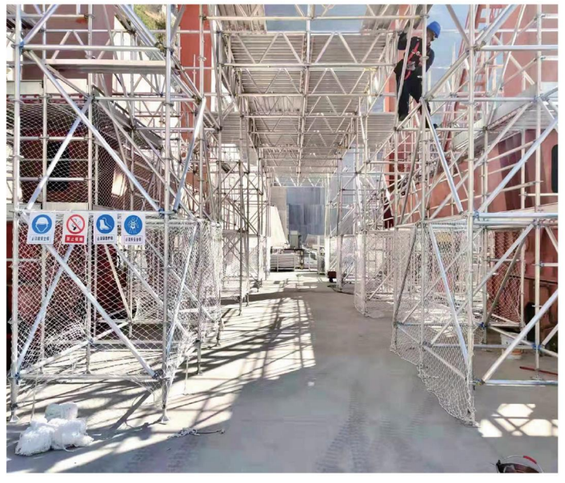
Aluminum Glass Stage
Load Bearing:600Kg/Sqm

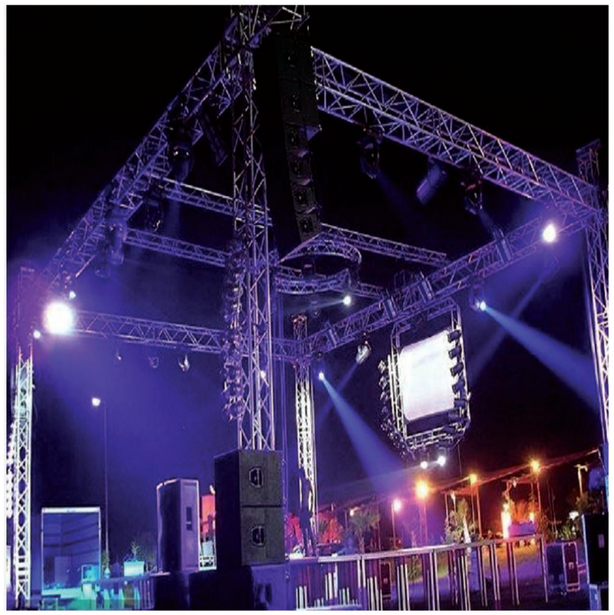
ITEM NO.	MATERIAL	TUBE SIZE (MM)	CROSS-SECTION (MM)	Height (MM)
RALST60	6061-T6	50.6*2	1220*1220	600-1200

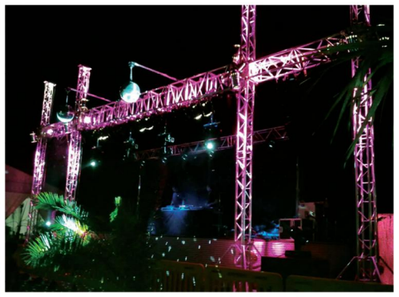
Dimension,surface,material and style can be specified











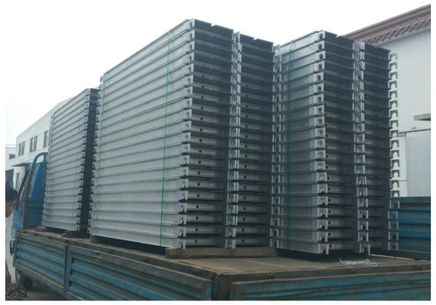




Dimension,surface,material and style can be specified

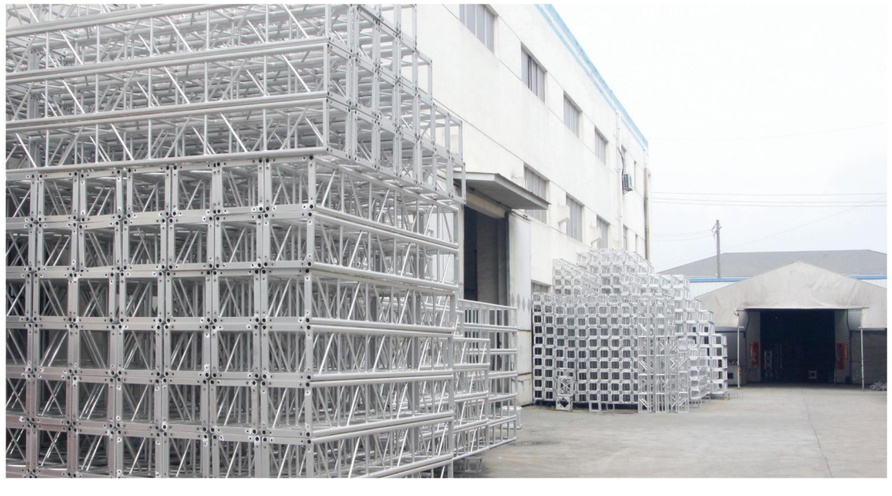
Packing Picture



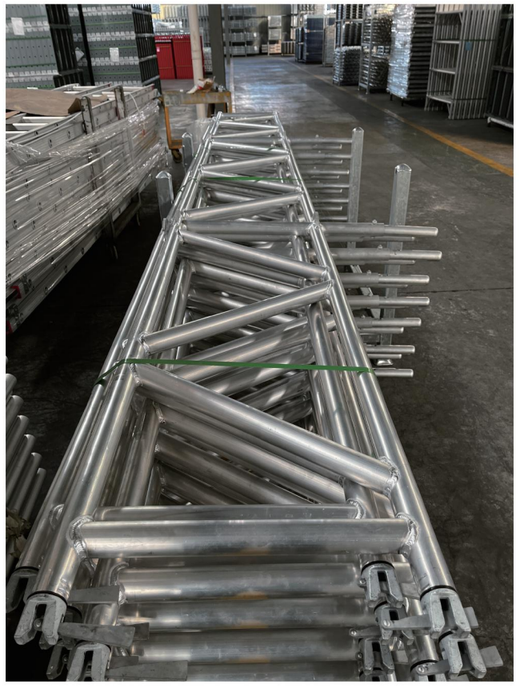


















Dimension,surface,material and style can be specified

Certification & Testing



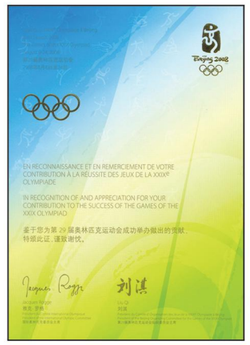
ISO 9001:2008



ISO 14001



OHSAS 18001



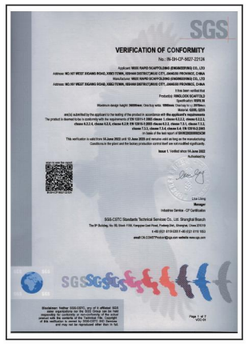
Olympic Certificate



EN ISO 3834



EN ISO 3834-3



Ringlock EN12811
Certification



CE
(Ringlock Scaffolding)



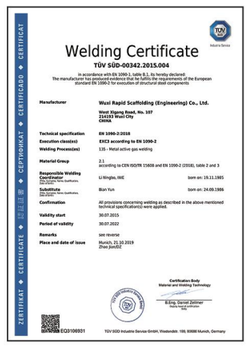
AS 1576.3:2015
+A1:2017



AS 1576.3:2015
+A1:2017



EN1090-1-2



EN1090-2

RAPID

The tests are conducted based on ANSI A 10.8,AS/NZS 1576, EN12811 standard,or the related standard required by customer.



Base Jack (Test in different nut hight)



Steel Plank (Uniformly distributed load test)



Ringlock Ledger (Load capacity test)



Kwikstage Ledger (Bending moment)



Ringlock Standard
(Load capacity of single standard)



Ringlock Tower (One unit test)

Dimension,surface,material and style can be specified

MEMOS