



Series - 100 Double Width  
Series - 200 Single Width

“Innovative Scaffolds Industry”



Aluminium Towers

Aluminium Towers

Recyclable



ITSEN ALUMINIUM SCAFFOLD (M) SDN BHD

Safety > Efficiency > Reliability > itsen > Durability > Quality > Customization

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# INTRODUCTION



**ITSEN** is actively committed to market Aluminium Scaffolds System with innovative, high quality and reliable product that meet customer requirements.

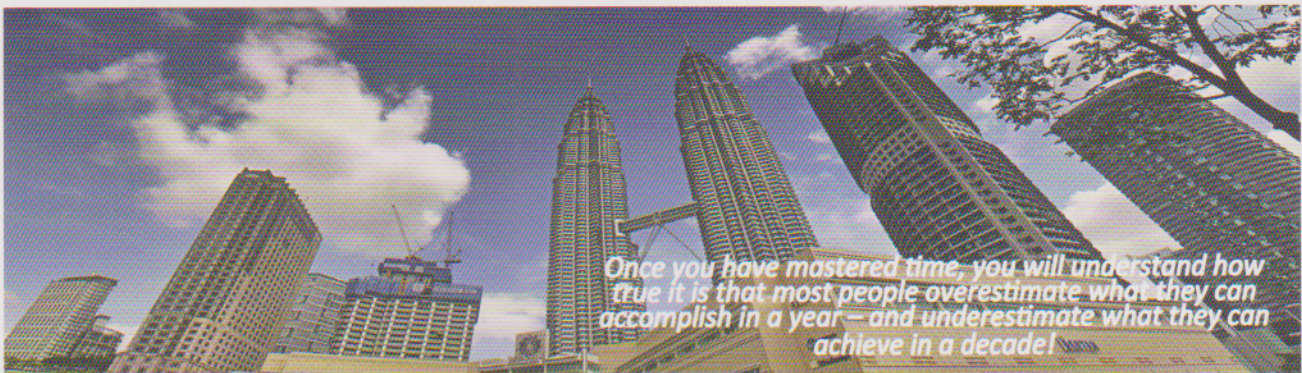
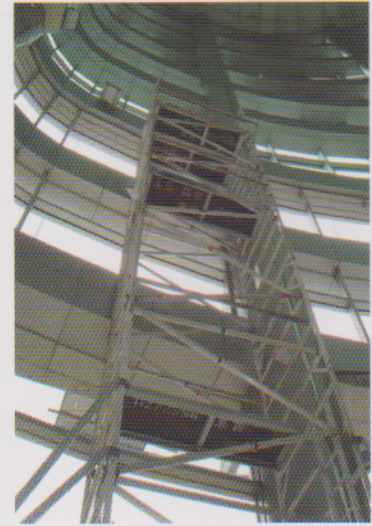
Our relentless pursuit of excellence in customer satisfaction by emphasizing on quality, efficiency, durability and reliability of our products. Our products comply with applicable regulatory requirements and International Standards.

We operate and maintain a total quality management system. The system covers the design, sales, service and hire operations.



Our employees are well trained and equipped to carry out their roles competently. In addition, employees are encouraged to participate and contribute to improving services and product quality.

With the commitment and involvement of our employees, **ITSEN** remains a successful company at the forefront of our industry.



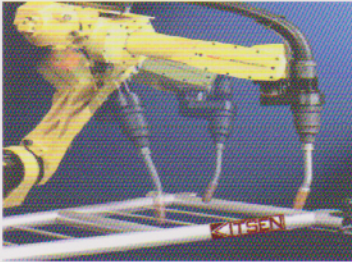
*Once you have mastered time, you will understand how true it is that most people overestimate what they can accomplish in a year — and underestimate what they can achieve in a decade!*

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# SCAFFOLD TOWER SYSTEM



ITSEN production facilities utilizes **Robotic Jig Welding** for light to medium Aluminium-Alloy manufacturing & fabrication projects as well as small-run to large-run production welding.



**Robotic welding** is an automatic arc welding process. This automation has allowed improved speed and quality for production applications. Automatic welding capabilities make short work of even the most demanding production schedules. While innovation and lots of experience contribute to our success with custom welding projects, our goal as always is *"Quality Products for Quality Customers."*

## FEATURES:

ITSEN aluminium scaffolds system built-in with multi-start Square threaded adjustable legs, incorporating full nut for maximum security. The heavy duty splined spigot designed for maximum strength and rigidity and ease of tower assembly. The unique ten-implosion crimped joint, specially designed to improve resistance to abuse and prevent additional repair costs. Brace hook assembly, incorporating double torsion stainless steel spring for durable and reliable use. Platforms incorporating bolted hook extrusion for easy attachment and platform profile designed to provide maximum strength and rigidity.

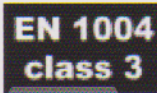
ITSEN Ladder frame tower is approved to EN. 1004 European Standard.

Available in two widths:

**Series 100 - DOUBLE WIDTH 1.35M WIDE**

**Series 200 - SINGLE WIDTH 0.7M WIDE**

Both single and double width ladder frames are available in three, four and five rung sizes to provide maximum platform options. The tower comprises the minimum possible multi-purpose components, no separate ladders or guardrail frames are necessary. All frames can be used as uppers or lowers simply brace your platform on the third rung below the top of the tower and the correct guardrail height is achieved.



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## ADVANTAGES

- High-quality precision finish
- Specialized labour not required
- Simple system with minimum number of elements
  - Fast assembly & productivity
  - Homogeneous, even surfaces
- Long-lasting equipment without maintenance
- Versatile system due to the variety of panel sizes, adjustable to any design
  - Available for hire, minimizing capital investment and time saving
  - Quality products

The **ITSEN** Evolution is now produced as the standard **ITSEN** scaffold tower system, incorporating aluminium Tee-less frames for increased strength and rigidity, lighter but stronger with aesthetically cleaner lines.

Fully compliant to EN1004 and completely compatible with all **ITSEN** frame system available to be mixed and matched.

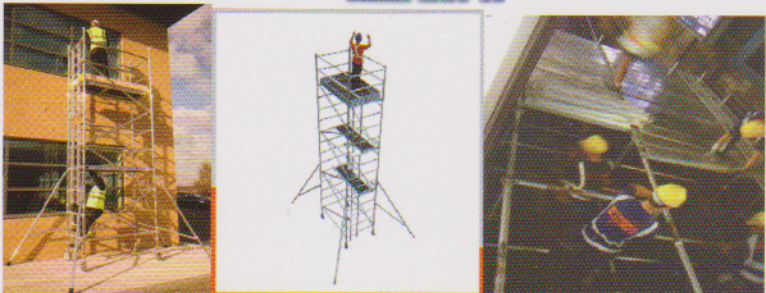
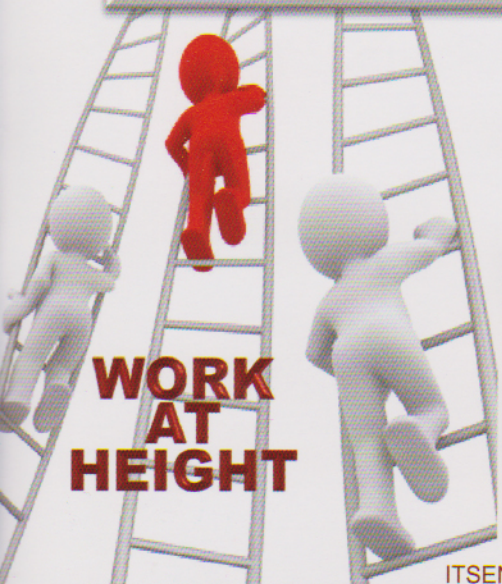


- 1) Fully welded aluminium tube to tube construction makes frames lighter but stronger.
- 2) Tee-less frames increase strength and rigidity.
- 3) Integral Ladder with 250mm rung pitch.
- 4) 500mm rung space on frames to comply with Work at Height Regulations.
- 5) 3T Through the trap or Advanced Guardrail method of assembly.
- 6) Available in 2 widths 750mm and 1350mm.
- 7) Anti slip decks with self closing trapdoors.
- 8) Max SWL per deck is 275kgs.
- 9) Colour coded braces for easier location and assembly.
- 10) Trail/no trail locking castors with positive locking brake.
- 11) Self cleaning adjustable legs.
- 12) STA2 Stabilizers available for extra rigidity.



# WORKING HEIGHT

**"ALWAYS TAKE CARE OF ALUMINIUM SCAFFOLD TOWER EQUIPMENT  
REMEMBER YOUR SAFETY DEPENDS ON THE SAFE ERECTION  
AND USE OF THE EQUIPMENT  
RESPECT IT"**



## ITSEN ALUMINIUM SCAFFOLDS SERIES 100-DOUBLE WIDTH

WORKING HEIGHT (ft)		13	19	22	25	29	34	37	41	43	46	48	52	57	61																
TOWER HEIGHT (ft)		11	15	18	21	26	31	34	38	40	43	44	49	53	58	44	52	56	60	66	76	82	88								
PLATFORM HEIGHT (ft)		8	12	16	20	24	28	32	36	38	40	42	46	52	56	38	46	50	54	60	70	76	82								
PART NO.	DESCRIPTION															Semi-Twin Scaffolds Tower System															
DW Frame - Double Width Frame																															
5RLD	5 Rung Ladder Frame Double	1	1	2		3	3	4	3	4	3	4	6	6	6									5	6	5	7	8	9	10	10
5RD	5 Rung Frame Double	1	1	2		3	3	4	3	4	3	4	6	6	6									9	12	11	15	18	21	22	24
4RLD	4 Rung Ladder Frame Double				3				2	1	2	1														1					
4RD	4 Rung Frame Double				3				2	1	2	1														3					
3RLD	3 Rung Ladder Frame Double		1				1				1	1		1	2											1					1
3RD	3 Rung Frame Double		1				1				1	1		1	2											1					1
GRD	Guardrail Frame Double	2	2	2	2	2	2	2	2	2	2	2	2	2	2											2	2	2	2	2	2
Platform																															
TP1	Trapdoor Platform (Open)	2	2	2	2	2	2	2	2	2	2	2	2	2	2									7	8	8	9	15	17	20	23
PP1	Plain Platform																														
Brace																															
HB1	Horizontal Brace -Green	6	6	6	6	6	6	6	6	6	6	6	6	6	6									10	10	10	10	20	20	30	38
DB1	Diagonal Brace -Red	4	6	8	8	12	14	16	16	18	22	22	24	26	28									24	36	38	44	52	60	72	78
AD Leg - Adjustable Leg																															
AL	Adjustable Leg	4	4	4	4	4	4	4	4	4	4	4	4	4	4									6	6	6	6	6	6	6	6
SC6	Scaffold Brake castor C/W PU Wheel	4	4	4	4	4																									
SC8	Scaffold Brake castor C/W PU Wheel						4	4	4	4	4	4	4	4	4									6	6	6	6	6	6	6	6
SB - Stabilizer Bar																															
STA1	Standard Adjustable Stabilizer		4	4	4	4	4	4																							
STA2	Large Adjustable Stabilizer								4	4	4	4	4	4	4	4	4	4	4	4	4	4	4								
0	Inline Coupler															12	14	18	18	22	26	28	38								
0	Swivel Coupler c/w Tube 6m															2	2	2	2	6	6	6	8								
		8ft	12ft	16ft	20ft	24ft	28ft	32ft	36ft	38ft	40ft	42ft	46ft	52ft	56ft	38ft	46ft	50ft	54ft	60ft	70ft	76ft	82ft								

Note: - Conversion from feet (ft) to Meter (m) = 0.3048

## ITSEN ALUMINIUM SCAFFOLDS SERIES 200-SINGLE WIDTH

WORKING HEIGHT (ft)		13	19	22	25	29	34	37	41	43	46	48	52	57	61																
TOWER HEIGHT (ft)		11	15	18	21	26	31	34	38	40	43	44	49	53	58	44	52	56	60												
PLATFORM HEIGHT (ft)		8	12	16	20	24	28	32	36	38	40	42	46	52	56	38	46	50	54	N/A	N/A	N/A	N/A								
PART NO.	DESCRIPTION															Semi-Twin Tower System															
SW Frame - Single Width Frame																															
5RLS	5 Rung Ladder Frame Single	1	1	2		3	3	4	3	4	3	4	6	6	6									5	6	5	7				
5RS	5 Rung Frame Single	1	1	2		3	3	4	3	4	3	4	6	6	6									9	12	11	15				
4RLS	4 Rung Ladder Frame Single				3				2	1	2	1														1					
4RS	4 Rung Frame Single				3				2	1	2	1														3					
3RLS	3 Rung Ladder Frame Single		1				1				1	1		1	2											1					
3RS	3 Rung Frame Single		1				1				1	1		1	2											1					
GRS	Guardrail Frame Single	2	2	2	2	2	2	2	2	2	2	2	2	2	2											2	2	2	2	2	2
Platform																															
TP1	Trapdoor Platform (Open)	2	2	2	2	2	2	2	2	2	2	2	2	2	2									7	8	8	9				
PP1	Plain Platform																														
Brace																															
HB1	Horizontal Brace -Green	6	6	6	6	6	6	6	6	6	6	6	6	6	6									10	10	10	10				
DB1	Diagonal Brace -Red	2	4	6	6	12	14	16	16	18	22	22	24	26	28									24	36	38	44				
AD Leg - Adjustable Leg																															
AL	Adjustable Leg	4	4	4	4	4	4	4	4	4	4	4	4	4	4									6	6	6	6				
SC6	Scaffold Brake castor C/W PU Wheel	4	4	4																											
SC8	Scaffold Brake castor C/W PU Wheel				4	4	4	4	4	4	4	4	4	4	4									6	6	6	6				
SB - Stabilizer Bar																															
STA1	Standard Adjustable Stabilizer		4	4	4																										
STA2	Large Adjustable Stabilizer					4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4								
0	Inline Coupler															12	14	18	18												
0	Swivel Coupler c/w Tube 6m															2	2	2	2												
		8ft	12ft	16ft	20ft	24ft	28ft	32ft	36ft	38ft	40ft	42ft	46ft	52ft	56ft	38ft	46ft	50ft	54ft	N/A	N/A	N/A	N/A								

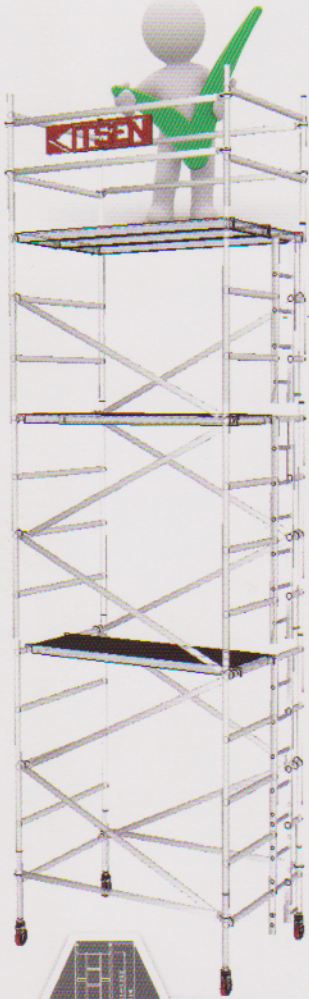
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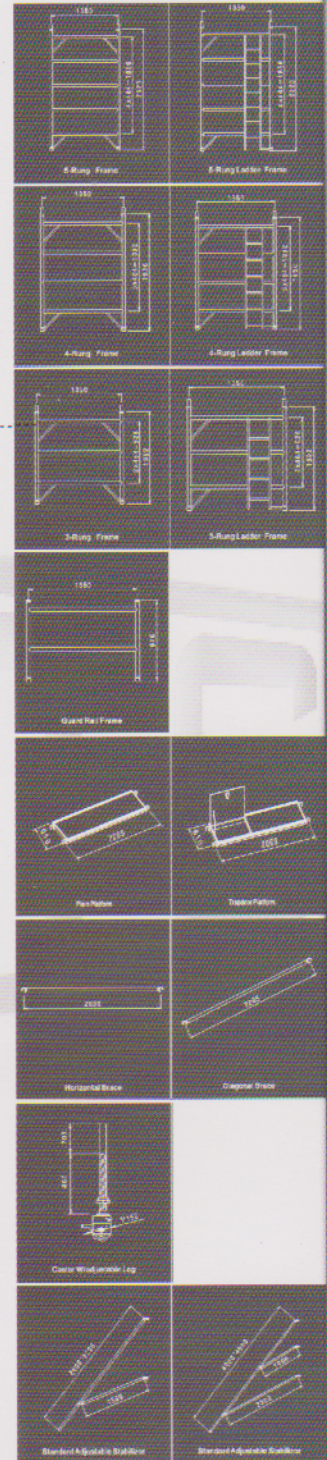


# SERIES 100 PARTS

## ITSEN SERIES 100 - PARTS AND COMPONENTS



PART NO.	DESCRIPTION
5RLD 5RD	<u>DW Frame - Double Width Frame</u> 5 Rung Ladder Frame Double 5 Rung Frame Double
4RLD 4RD	<u>DW Frame - Double Width Frame</u> 4 Rung Ladder Frame Double 4 Rung Frame Double
3RLD 3RD	<u>DW Frame - Double Width Frame</u> 3 Rung Ladder Frame Double 3 Rung Frame Double
GRD T1	<u>Guardrail &amp; Toeboard Double Width</u> Guardrail Frame Double Toe Board Set Double
TP1 PP1	<u>Platform</u> Trapdoor Platform (Open) Plain Platform
HB1 DB1	<u>Brace</u> Horizontal Brace -Green Diagonal Brace -Red
AL SC6 SC8	<u>AD Adjustable Legs &amp; Castor</u> Adjustable Leg 6" Scaffold Brake castor C/W PU Wheel 8" Scaffold Brake castor C/W PU Wheel
STA1 STA2	<u>SB - Stabilizer Bar</u> Standard Adjustable Stabilizer Large Adjustable Stabilizer

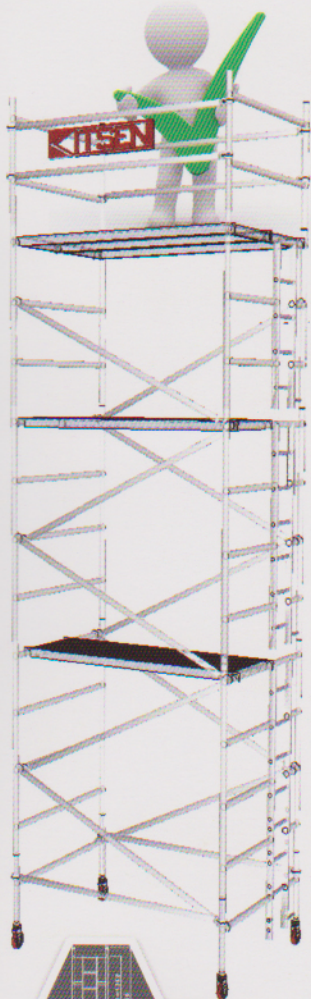


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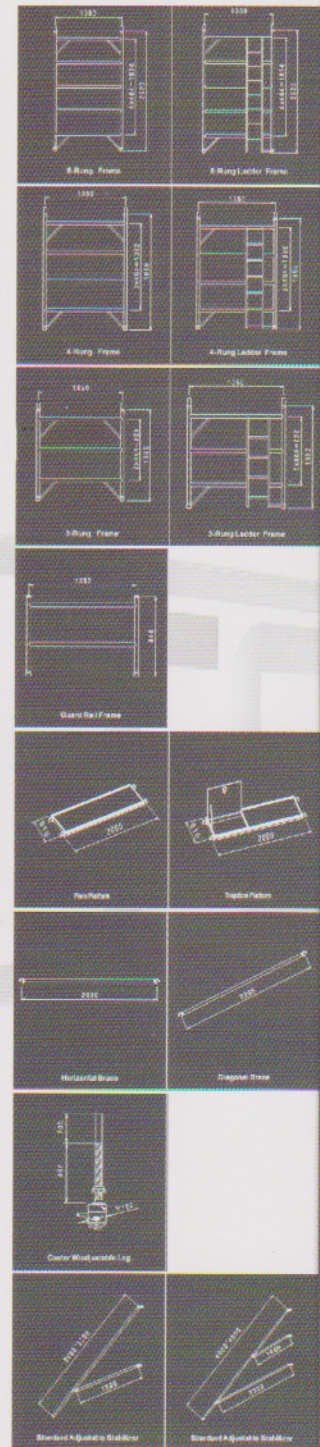


# SERIES 200 PARTS

## ITSEN SERIES 200 - PARTS AND COMPONENTS



PART NO.	DESCRIPTION
5RLS 5RS	<u>SW Frame - Single Width Frame</u> 5 Rung Ladder Frame Single 5 Rung Frame Single
4RLS 4RS	<u>SW Frame - Single Width Frame</u> 4 Rung Ladder Frame Single 4 Rung Frame Single
3RLS 3RS	<u>SW Frame - Single Width Frame</u> 3 Rung Ladder Frame Single 3 Rung Frame Single
GRS T2	<u>Guardrail &amp; Toeboard Single Width</u> Guardrail Frame Single Toe Board Set Single
TP1 PP1	<u>Platform</u> Trapdoor Platform (Open) Plain Platform
HB1 DB1	<u>Brace</u> Horizontal Brace -Green Diagonal Brace -Red
AL SC6 SC8	<u>AD Adjustable Leg &amp; Castor</u> Adjustable Leg 6" Scaffold Brake castor C/W PU Wheel 8" Scaffold Brake castor C/W PU Wheel
STA1 STA2	<u>SB - Stabilizer Bar</u> Standard Adjustable Stabilizer Large Adjustable Stabilizer



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