



**ALRAFAAH
INTERNATIONAL LLC**



ALUMINIUM SCAFFOLDINGS

MSAFE
PROTECT THE PEOPLE



EN-1004:2004
Compliant

**+968 91 91 6516
+968 95480902**

www.alrafaah.com
 anwar@rafahoman.com



ALRAFAAH INTERNATIONAL LLC

AI Rafah International LLC is a leading supplier of high-quality scaffolding and ladder solutions based in Oman. With a reputation for reliability and excellence, the company provides innovative access solutions that meet the diverse needs of industries across the region. AI Rafah International LLC caters to construction, industrial, and commercial sectors by delivering robust, safe, and cost-effective scaffolding systems and ladder products. Our mission is to provide businesses in Oman with superior scaffolding and ladder products that ensure safety, efficiency, and durability. We aim to offer the best access solutions tailored to the specific needs of our clients, ensuring their projects are executed safely and effectively. AI Rafah International LLC specializes in the supply of a wide range of scaffolding and ladder solutions including:

- Scaffolding Systems: High-strength scaffolding for construction and maintenance projects.
- Ladders: A variety of ladders for industrial and commercial use, designed for safety and ease of use.
- Custom Solutions: Tailored scaffolding and access solutions to meet unique project requirements.
- Installation and Support: Assistance with scaffolding setup and ongoing support for maintenance and safety.

Key Features: Quality Assurance: Our products adhere to international safety standards, ensuring the highest levels of reliability and performance.

Customization: We offer personalized scaffolding and ladder solutions, designed to fit the specific requirements of different industries and projects. Expert Team: Our team of professionals brings expertise in scaffolding and ladder systems, helping clients find the best solutions for their needs.

Customer-Centric Approach: We focus on building long-term relationships with our clients, providing them with continuous support, competitive pricing, and timely delivery.

MSAFE

DOUBLE WIDTH LADDER FRAME VERSION (MLF) 1.45m x 2.5m



MLF 043



MLF 073



MLF 123

DOUBLE WIDTH LADDER FRAME VERSION (MLF) 1.45m x 2.5m

Item Description	DIMENSION	MLF023	MLF033	MLF043	MLF053	MLF063	MLF073	MLF083	MLF093	MLF103	MLF113	MLF123	MLF133	MLF143	MLF153
Push on frame 1.45mtr (2 Rungs)	1m	0	1	0	1	0	1	0	1	0	1	0	1	0	1
Push on frame 1.45mtr (4 Rungs)	2m	1	1	2	2	3	3	4	4	5	5	6	6	7	7
Ladder frame 1.45mtr (2 Rungs)	1m	0	1	0	1	0	1	0	1	0	1	0	1	0	1
Ladder frame 1.45mtr (4 Rungs)	2m	1	1	2	2	3	3	4	4	5	5	6	6	7	7
Wooden Plain Platform	2.5m	1	1	1	1	1	1	1	1	1	1	1	1	2	2
Wooden Trapdoor Platform	2.5m	1	1	1	1	1	1	2	2	2	2	2	2	2	2
Diagonal Brace	2.5m	2	2	6	8	10	12	14	16	18	20	22	24	26	28
Diagonal Brace 1-2	2.3m	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Horizontal Brace	2.5m	4	6	6	6	8	8	8	10	10	10	12	12	14	14
Triangular Stabiliser Fixed	2m	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Triangular Stabiliser Fixed	3m	0	0	0	4	4	4	4	0	0	0	0	0	0	0
Triangular Stabiliser Fixed	4.5m	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Triangular Stabiliser Adjustable	6m	0	0	0	0	0	0	0	4	4	4	4	4	4	4
Swivel castor wheel adjustable	200mm	0	0	0	0	4	4	4	4	4	4	4	4	4	4
Swivel castor Wheel with Steel Stem	200mm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Swivel castor wheel Fixed Regular (Orange)	150mm	4	4	4	4	0	0	0	0	0	0	0	0	0	0
T-Bolt with Spring		4	8	8	12	8	12	12	16	16	20	20	24	24	28
Total		18	26	30	42	42	50	53	63	65	73	77	85	90	98

DOUBLE WIDTH LADDER FRAME VERSION (MLF) 1.45m x 2.5m

Item Description	MLF023	MLF033	MLF043	MLF053	MLF063	MLF073	MLF083	MLF093	MLF103	MLF113	MLF123	MLF133	MLF143	MLF153
Platform Height (m)	1.2	2.2	3.2	4.2	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	14.4
Tower Height (m)	2.2	3.2	4.2	5.2	6.4	7.4	8.4	9.4	10.4	11.4	12.4	13.4	14.4	15.4
Working Height (m)	3.2	4.2	5.2	6.2	7.4	8.4	9.4	10.4	11.4	12.4	13.4	14.4	15.4	16.4



MSAFE

SINGLE WIDTH LADDER FRAME VERSION (MLN) 0.85m x 1.80m



MLN 033



MLN 043



MLN 073

SINGLE WIDTH LADDER FRAME VERSION (MLN) 0.85m x 1.80m

Item Description	DIMENSION	MLN023	MLN033	MLN043	MLN053	MLN063	MLN073	MLN083	MLN093
Push on frame 0.85mtr (2 Rungs)	1m	0	1	0	1	0	1	0	1
Push on frame 0.85mtr (4 Rungs)	2m	1	1	2	2	3	3	4	4
Ladder frame 0.85mtr (2 Rungs)	1m	0	1	0	1	0	1	0	1
Ladder frame 0.85mtr (4 Rungs)	2m	1	1	2	2	3	3	4	4
Wooden Trapdoor Platform	1.8m	1	1	1	1	1	1	1	1
Diagonal Brace	1.8m	2	4	6	8	10	12	14	16
Diagonal Brace 1-4	1.8m	0	0	0	0	0	0	0	0
Horizontal Brace	1.8m	4	6	6	6	6	6	8	8
Triangular Stabiliser Fixed	3m	0	0	4	4	4	4	0	0
Triangular Stabiliser Adjustable	4.5m	0	0	0	0	0	0	4	4
Swivel Castor Wheel Adjustable	200mm	0	0	0	4	4	4	4	4
Swivel castor Wheel with Steel Stem	200mm	0	0	0	0	0	0	0	0
Swivel castor wheel Fixed Regular (Orange)	150mm	4	4	4	0	0	0	0	0
T-Bolt with Spring			4	8	8	8	12	12	14
Total		17	27	33	37	39	47	51	57

SINGLE WIDTH LADDER FRAME VERSION (MLN) 0.85m x 1.80m

Item Description	MLN023	MLN033	MLN043	MLN053	MLN063	MLN073	MLN083	MLN093
Platform Height (m)	1.2	2.2	3.2	4.4	5.4	6.4	7.4	8.4
Tower Height (m)	2.2	3.2	4.2	5.4	6.4	7.4	8.4	9.4
Working Height (m)	3.2	4.2	5.2	6.4	7.4	8.4	9.4	10.4



+968 9191 6516 +968 954 80 902



www.alrafaah.com



anwar@rafahoman.com

MSAFE

STAIRWAY SCAFFOLDING (MST) (1.3m x 1.8m)

MSafe Fit Stairway version is a safe, comfortable modular mobile scaffold tower to reach the work area for frequent climbing and descent.



MST 034



MST 052



MST 094

STANDARD FEATURES

- Scaffolding width: 1.3m. length: 1.8m.
- Working heights can be extended from 4.4 m to max 16.4 m with standard parts.
- Comfortable entry into the scaffolding from outside through the wide entry frame.
- Anti-slip stairway steps.
- 200 kg/m² loading capacity i.e. depending on platform size from 480 kg to max 810 kg.
- The free standing height for scaffold is 12.4m inside and 8.4m outside as per safety norms.

Scaffold Size 1.3m x 1.8m

Model No.	MST034	MST045	MST054	MST065	MST074	MST085	MST094	MST105	MST114	MST125	MST134	MST145	MST154
Working Height (m)	4.4	5.5	6.4	7.5	8.4	9.5	10.4	11.5	12.4	13.5	14.4	15.5	16.4
Tower Height (m)	3.4	4.5	5.4	6.5	7.4	8.5	9.4	10.5	11.4	12.5	13.4	14.5	15.4
Platform Height (m)	2.4	3.5	4.4	5.5	6.4	7.5	8.4	9.5	10.4	11.5	12.4	13.5	14.4



Entry Frame (1.3m) (H-2m)



Push on Frame (1.3m) (H-2m)



Stairway (1.8m)



+968 9191 6516 +968 954 80 902



www.alrafaah.com



anwar@rafahoman.com

MSAFE

NARROW SCAFFOLDING (MN) (0.72m x 1.8m)

MSafe Fit narrow version is a safe, comfortable mobile scaffold tower, It can be used to reach narrow and difficult work places.



MN 022



MN 032



MN 052

STANDARD FEATURES

- Scaffolding width :0.72m, Length :1.80 m.
- Working height can be extended from 3.2 m to max. 10.2m.
- 200 kg/m² loading capacity, i.e. depending on platform size from 270 kg to max 810 kg.
- The free standing height for scaffold is 8.3m indoor and 6.3m outdoor as per safety norms.

Scaffold Size 0.72m x 1.8m							
Model No.	MN022	MN032	MN043	MN052	MN063	MN072	MN083
Working Height (m)	3.2	4.2	5.3	6.2	7.3	8.2	9.3
Tower Height (m)	2.2	3.2	4.3	5.2	6.3	7.2	8.3
Platform Height (m)	1.2	2.2	3.3	4.2	5.3	6.2	7.3



Trapdoor Platform



Guard Rail



Push on Frame (0.72m) (H-2m)

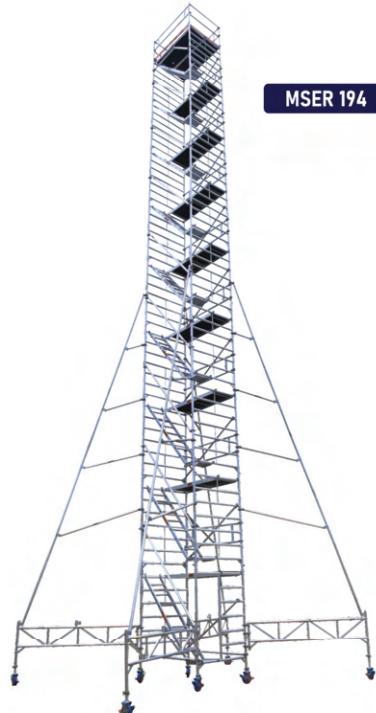


MSAFE

EXTRA REACH SCAFFOLDING (MSER) (1.3m x 1.80m)

MSafe Fit extra reach version is a safe, modular mobile scaffold tower to reach extra height.

Working height can be extended from 14.4m to 30.4m with standard parts.



Scaffold Size						
Model No.	MSER134	MSER144	MSER154	MSER164	MSER174	MSER184
Working Height (m)	14.4	15.5	16.4	17.5	18.4	19.5
Tower Height (m)	13.4	14.5	15.4	16.5	17.4	18.5
Platform Height (m)	12.4	13.5	14.4	15.5	16.4	17.5

* Model No. MSER194 MSER204 MSER214 MSER225 MSER234 MSER245

Working Height (m)	20.4	21.5	22.4	23.5	24.4	25.5
Tower Height (m)	19.4	20.5	21.4	22.5	23.4	24.5
Platform Height (m)	18.4	19.5	20.4	21.5	22.4	23.5

* Model No. MSER254 MSER264 MSER274 MSER284 MSER294

Working Height (m)	26.4	27.5	28.4	29.5	30.4	
Tower Height (m)	25.4	26.5	27.4	28.5	29.4	
Platform Height (m)	24.4	25.5	26.4	27.5	28.4	

*Tying the scaffolding at every 4 meters is recommended inside or outside.

Msafe Bridge Section



Bridge Section
Available Width Sizes
2.5m, 3m, 3.8m, 4.2m, 4.8m, 5.4m, 6m

Msafe Cantilever



1.3m Cantilever
One Side

0.72m Cantilever
Both Sides



ERCTION PROCEDURE

- Fit castors to base frames
Attached horizontal brace (white brace)
- to vertical tube of the base frame.
Ensure casters are locked. The frame is now self-supporting
Attach the spare end of the brace to the other base frame
- Attach two diagonal braces (black braces) to the base unit as shown. Level the unit using adjustable legs, the base is now complete
- For the next stage- insert next riser frames on to spigots of the base frame
Continue the pattern of Diagonal Braces (a new diagonal brace starts where the one beneath finishes and rises two transoms)
this pattern carries on up to the working top deck (platform)
- beneath finishes and rises two transoms)
this pattern carries on up to the working top deck (platform)
Attach guardrail frames at each end above the top working platform
Attach 1 to 1 diagonal brace (black from one frame to another frame)
Two horizontal braces are clipped on to
- the top transoms in a horizontal plane (creating a 1m handrail) with a further two horizontals clipped to the next transoms
- down (creating a 500 mm mid rail)
- Fit toe boards
-
-
- All single width & double width scaffold must be fitted with outriggers (or external all ties) above 4 mtr
Check all four wheels are locked
-
- Before using the tower, ensure the scaffold is checked and built correctly
Ensure the safety compliance sticker,
■ hazard reduction sticker and safe working load guide are followed at all times
Dismantling procedure is reverse methods to that of the erection process. (Follow steps 14 to 1)
-

