



**K H K SCAFFOLDING  
& FORMWORK LTD. L.L.C**



**K-Lock  
Access**







## OUR PROFILE

Established in 1991, KHK Scaffolding & Formwork LLC has become a leading manufacturer and supplier of scaffolding, formwork, steel pipes and Tube products from GCC Region. Relying on top quality and best turnaround delivery time, it's wide range of products and services command high praise and acclaim from the reputed customers around the world.

KHK is the flagship company of UAE based Taurani Group of Industries, a prestigious business house, well recognized for its consistency and dependability as one of the most successful conglomerates in United Arab Emirates.

The office-cum-factory premises at Ajman covers an area 75,000 sq/mt, charged by highly motivated and efficient team of 1200 employees and is equipped with most advanced and integrated technology and machines to manufacture wide range of scaffolding, formwork, steel pipes and tube products strictly conforming to customer's designs requirements.

Carefully designed, high precision products of KHK are being exported for the last 25 years to more than 50 countries mainly in GCC, Middle East, Europe, America, Asia, Africa and Australia. The professional and experienced sales force of KHK, besides supplying the world class products, also support the global customers with their valuable services and technical guidance which in turn assures the contractors to deliver the projects in utmost secure and economical manner, maximizing their value addition. KHK always believes in testing its limits to the maximum by exploring, experimenting and establishing innovative products carrying lateral and horizontal expansions to meet diverse and challenging demands.

## OUR VISION

'KHK' aspires to be the most trusted brand to all its worldwide customers and supply chain partners in Scaffolding and Formworks industry, embarking on excellence, relevance & value additions to all its offerings, with full Corporate and Social Responsibilities.

## OUR MISSION

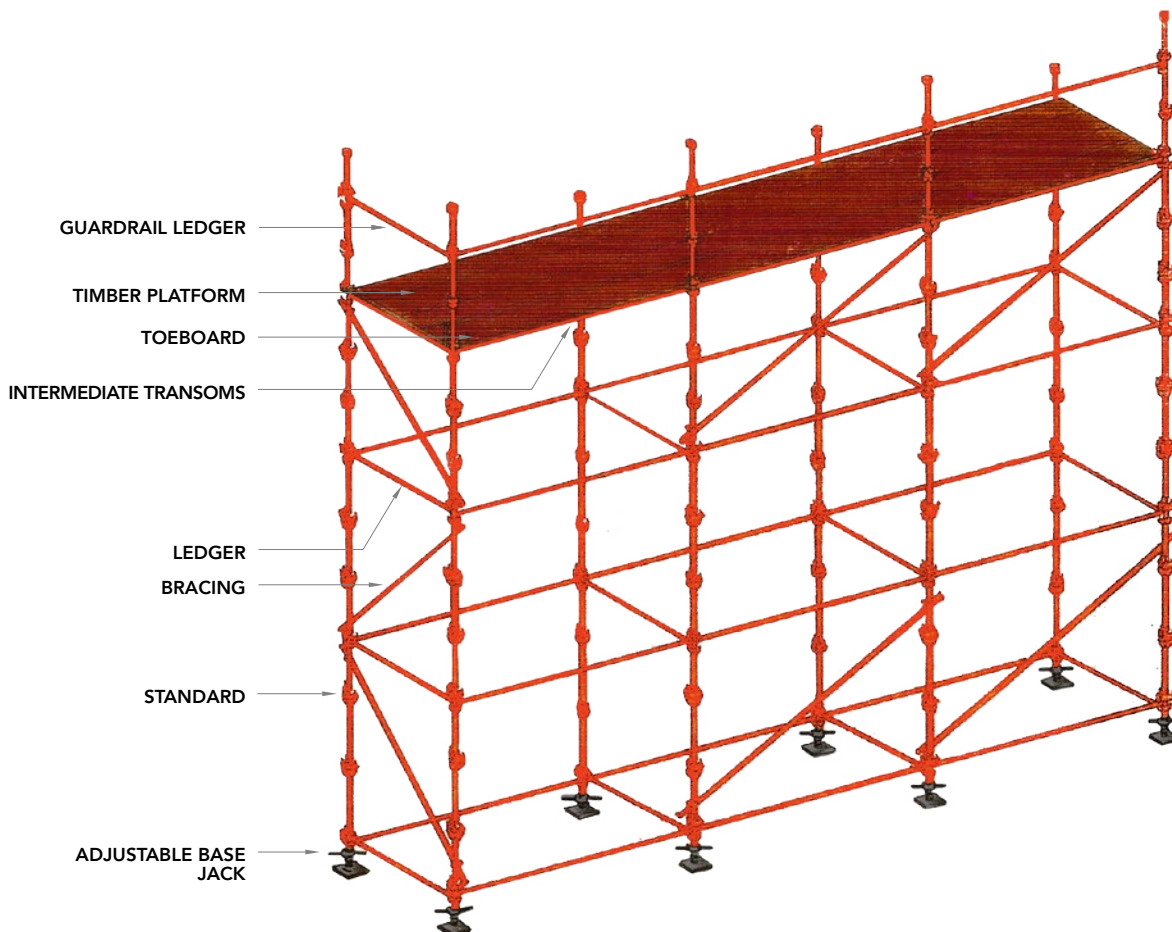
- Increasing the production capacity by 50% through process re-engineering by 2022.
- Augmentation in the sales turnover by 25% year over year.
- Continuous investment in human capital training, upskilling and automation.
- Make work life simpler, productive and customer friendly by implementation of SAP by June 2021
- Integration of processes by implementing SAP by 2021 and improve customer engagements through web portal by 2022
- Support go-green initiative of UAE along with digitalization of operations by 2022



## K-LOCK TECHNICAL DETAILS

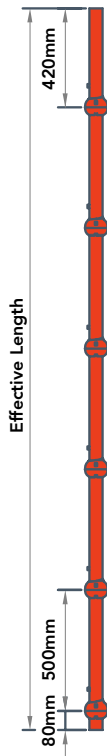
### K-LOCK ACCESS SCAFFOLD:

- **K-LOCK** is a proven multi-purpose scaffold system which can be used for all forms of access and support structures in the building and construction industries, shipbuilding, offshore construction and industrial maintenance.
- **SPEED OF ERECTION** K-Lock provides major savings in erection and dismantling times thus minimizing on site costs. When not in use, its modular construction ensures minimal space requirements for storage.
- **SIMPLICITY** K-Lock's unique node point connection allows up to four horizontal members to be connected to a vertical member in one single action - without the use of nuts and bolts or wedges. The locking device is formed by two cups, a fixed lower cup which is welded to the vertical component at pre-located intervals and sliding upper cup. The forged blade ends of the components in place and a hammer blow then results in a positive rigid connection.
- **VERSATILITY** K-Lock is extremely versatile. It can be erected for straight, curved and circular configuration for both access and support, and also for independent and mobile towers.
- **STRENGTH** Both vertical and horizontal members are manufactured from  $\varnothing 48.3 \times 3.2\text{mm}$  high tensile steel to British Standard 4360 Grade 50 (minimum UTS + 534 MPa).
- **DURABILITY** With no loose parts and with corrosion protection by hot-dip galvanising to British Standard 729, minimum thickness of the zinc coating is 85 microns.
- Conforms to BS1139 Parts 5, HD 1000, OSHA and Australian & New Zealand Standards.



## K-LOCK TECHNICAL DETAILS

### K-LOCK STANDARD:



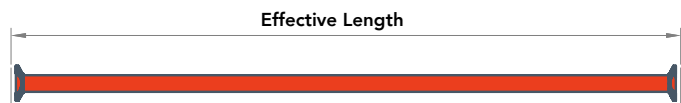
The standard is the vertical member of the scaffold with a spigot at one end for accurate alignment. Also available in open end. Standards are made from  $\phi 48.3 \times 3.2$ mm steel tube, all standards incorporate with fixed bottom cups and drop forged sliding top cups.

DESCRIPTION	WEIGHT (kg)
3.0m Standard	14.8
2.8m Standard	14.0
2.5m Standard	12.4
2.3m Standard	11.4
2.0m Standard	10.0
1.8m Standard	9.0
1.5m Standard	7.9
1.3m Standard	6.5
1.0m Standard	5.0
0.8m Standard	4.10

### K-LOCK LEDGER:

The ledger consists of symmetrical forged blade ends for simple erection and complete interchangeability in support structures. They locate in the bottom cups of the standards at platform level. Can also be used as guardrails.

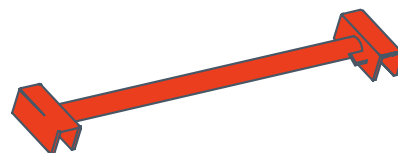
DESCRIPTION	WEIGHT (kg)
2.5m Ledger	9.2
1.8m Ledger	6.7
1.6m Ledger	6.0
1.3m Ledger	4.9
1.2m Ledger	4.5
1.0m Ledger	3.8
0.9m Ledger	3.50
0.6m Ledger	2.40



### K-LOCK INTERMEDIATE TRANSOMS:

DESCRIPTION	WEIGHT (kg)
2.5m Transom	12.1
1.8m Transom	9.0
1.6m Transom	7.0
1.3m Transom	6.5

They are used where scaffold boards require intermediate support between the span of two ledgers. They have an integral locking device to prevent movement during use.

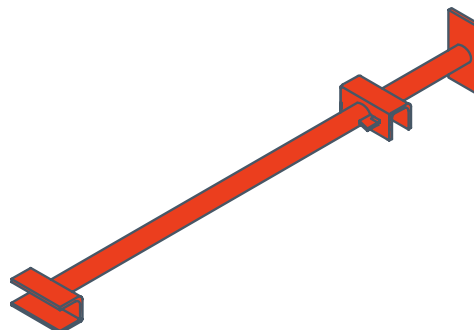


## K-LOCK TECHNICAL DETAILS

### K-LOCK INSIDE BOARD TRANSOMS:

Functions similar to intermediate transom, but it extends beyond the ledgers to provide intermediate support to a single inside board.

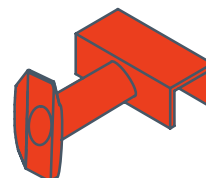
DESCRIPTION	WEIGHT (kg)
1.3m + 1 Board	9.4



### K-LOCK RETURN DEVICE:

One end of return device comprises of blade and the other end a hooked section which locates over ledger on the return elevation to provide a corner connection.

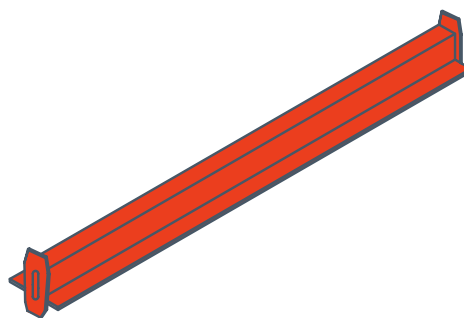
DESCRIPTION	WEIGHT (kg)
Return Device	1.9



### K-LOCK OMEGA TRANSOMS:

They are made of omega section to accept either timber or steel battens. Different sizes are available.

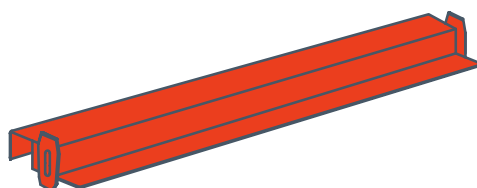
DESCRIPTION	WEIGHT (kg)
2.5m Omega Transom	13.1
1.8m Omega Transom	9.5
1.3m Omega Transom	6.9
0.9m Omega Transom	5.1



### K-LOCK RETURN TRANSOMS:

They provide connection between two adjacent 90° bay

DESCRIPTION	WEIGHT (kg)
Return Transom 1.8m	10.5
Return Transom 1.3m	7.7
Return Transom 0.9m	5.4

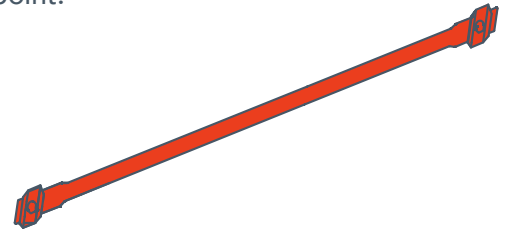


## K-LOCK TECHNICAL DETAILS

### K-LOCK SWIVEL FACE BRACE:

They provides the face bracing to a K-Lock access scaffold. Each brace has a swivelling blade end to allow for easy location in the node point.

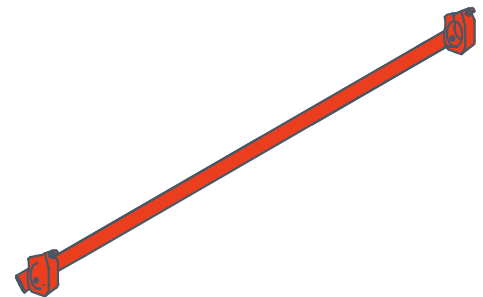
DESCRIPTION	WEIGHT (kg)
2.5 x 2.0m Brace	12.1
1.8 x 2.0m Brace	10.0
1.3 x 2.0m Brace	9.2



### K-LOCK COUPLER BRACE:

The coupler brace is used when necessary across the scaffold. Different sizes are available.

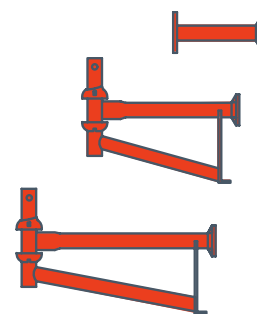
DESCRIPTION	WEIGHT (kg)
2.5 x 2.0m Brace	12.8
1.8 x 2.0m Brace	10.5
1.3 x 2.0m Brace	9.5



### K-LOCK HOP-UP BRACKETS:

Made of Ø48.3 tube. It is designed to increase overall width of working platform. It is connected to standard at one end and at other end it incorporate a cup joint for a additional inside ledger to join hop-up bracket together to support intermediate transoms. Provision for locating hand rail post is also provided.

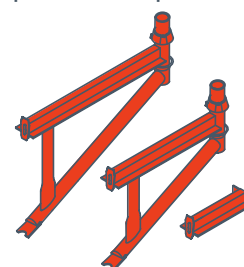
DESCRIPTION	WEIGHT (kg)
3-Board Hop-Up Bracket	6.9
2-Board Hop-Up Bracket	5.5
1-Board Hop-Up Bracket	1.5



### K-LOCK OMEGA HOP-UP BRACKETS:

Made of Omega profile. It is designed to increase overall width of working platform. It is connected to standard at one end and at other end it incorporate a cup joint for a additional inside ledger to join hop-up bracket together to support intermediate transoms. Provision for locating hand rail post is also provided.

DESCRIPTION	WEIGHT (kg)
3-Board Omega Hop-Up Bracket	7.7
2-Board Omega Hop-Up Bracket	6.3
1-Board Omega Hop-Up Bracket	1.5

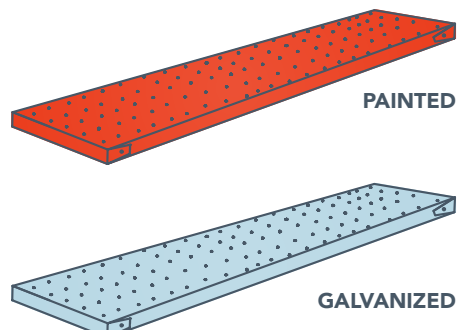


## K-LOCK TECHNICAL DETAILS

### K-LOCK CLOSED END BATTEN:

The steel batten spans between the transoms giving a non slip level surface.

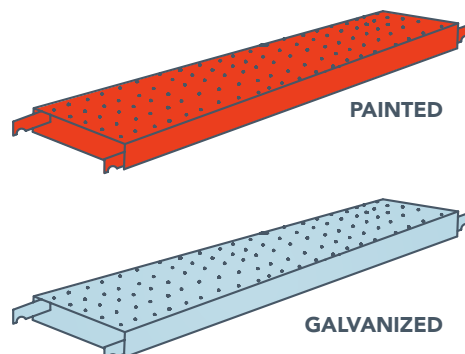
DESCRIPTION	WEIGHT (kg)
2.5m Steel Batten	15.2
1.8m Steel Batten	10.8
1.3m Steel Batten	7.7



### K-LOCK HOOK END BATTEN:

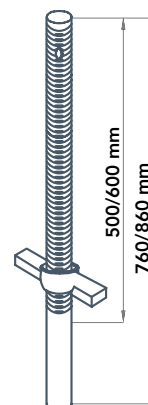
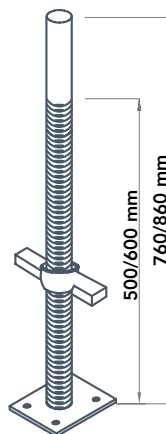
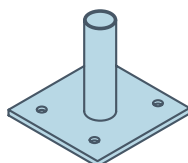
The steel platform batten spans between ledgers giving a non slip level surface.

DESCRIPTION	WEIGHT (kg)
2.5m Steel Batten	16.0
1.8m Steel Batten	11.6
1.3m Steel Batten	8.5



### K-LOCK BASE JACK, UNIVERSAL JACK & PLAIN BASE PLATE:

DESCRIPTION	WEIGHT (kg)
Base Jack	4.0
Universal Jack	3.4
Plain Base Plate	1.3



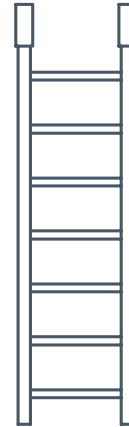


## K-LOCK TECHNICAL DETAILS

### K-LOCK LADDER:

Three different sizes of ladder are available which can be connected to obtain any length.

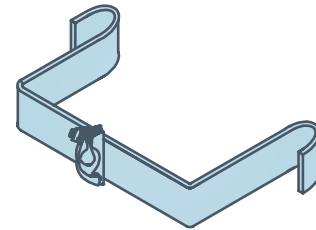
DESCRIPTION	WEIGHT (kg)
3.0m Ladder	24.0
1.5m Ladder	12.6
1.0m Ladder	8.9



### K-LOCK LADDER BRACKET:

Used to secure the ladder to the system.

DESCRIPTION	WEIGHT (kg)
Ladder Bracket	2.2



### COUPLERS:



DOUBLE COUPLER



SLEEVE COUPLER



JOINT PIN



SWIVEL COUPLER  
(FORGED TYPE)



BOARD RETAINER CLAMP  
(BRC)



PUTLOG COUPLER  
(FORGED TYPE)



SINGLE COUPLER



LADDER CLAMP

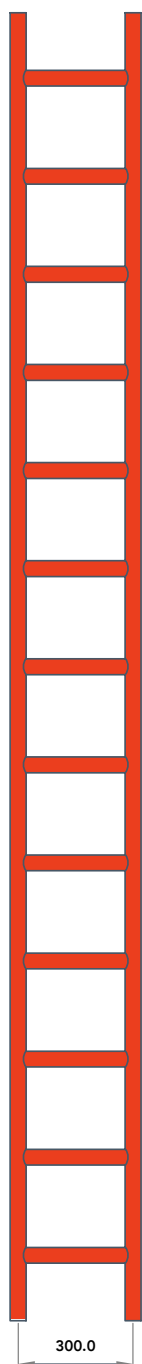


SCAFFOLD BOARD  
(TIMBER)

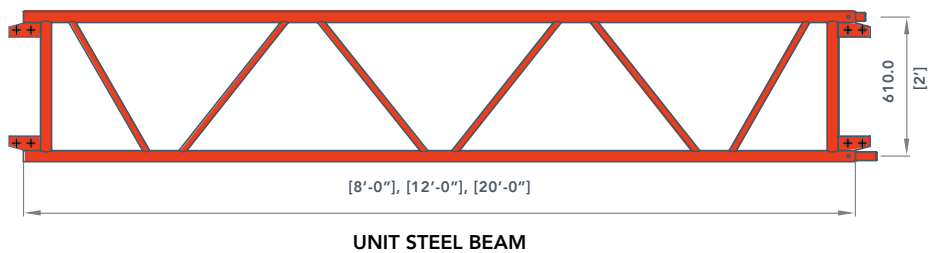
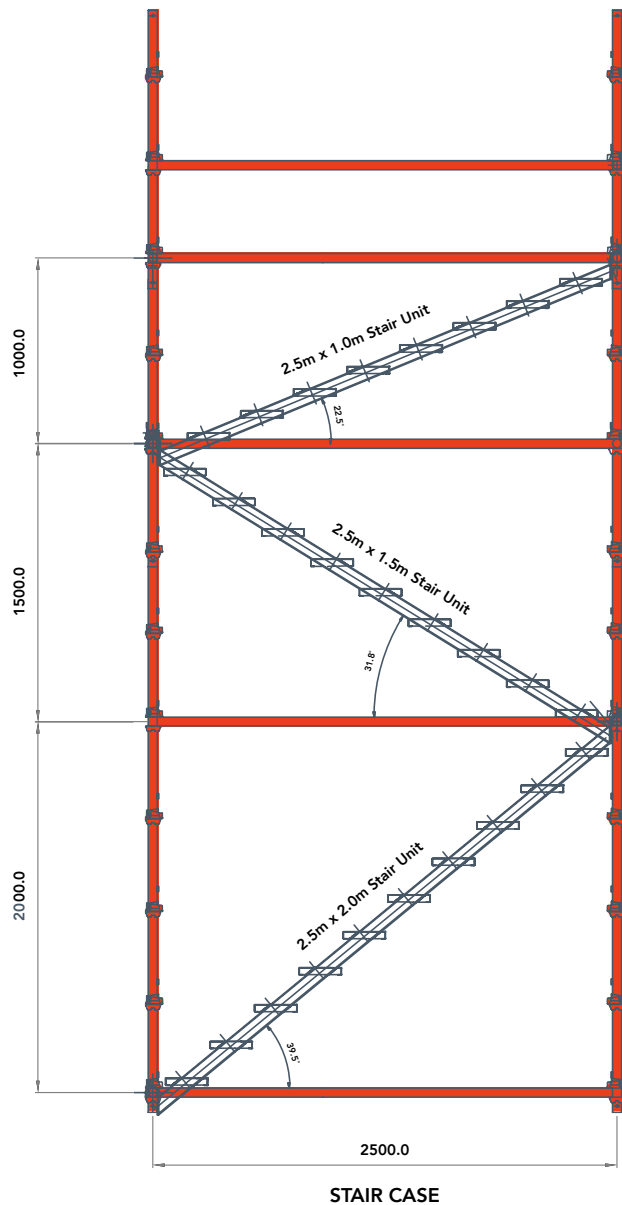
## K-LOCK SYSTEM

### K-LOCK STAIR ACCESS:

DESCRIPTION	WEIGHT (kg)
Stair Case (2.5m x 2m)	113.0
Outer Hand Rail	14.0
Inner Hand Rail	10.0



LADDER BEAMS



## K-LOCK ACCESS PROJECTS





## K-LOCK ACCESS PROJECTS





## K-LOCK ACCESS PROJECTS



## GROUP PROFILE

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**TAURANI HOLDINGS LTD** is a multinational conglomerate headquartered in Dubai, United Arab Emirates. It operates in four continents with more than 10,000 employees worldwide. THL was founded in 1976 as a group of manufacturing, trading and servicing companies catering to a vast multitude of sectors across various markets.

With annual turn over of US\$200 Million, the group has eventually ventured into every trade arena through well-defined business strategies. An able leadership and a highly dedicated work force across the group are the key elements that engineer its evolution.

As a global business conglomerate, the group's ability to understand, innovate and operate in a multicultural world ensures its long-term sustainability and, specifically, impacts its ability to meet the group's underlined growth trajectory.

## GROUP ASSOCIATES

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ETY  
ST

SAFETY  
FIRST

SAFETY  
FIRST

VEHICLE PARKING  
AT OWNERS RISK

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**KHK - Scaffolding & Formwork LLC**  
is at the cutting-edge of technology  
in scaffolding & formwork system  
solutions over more than 30 years.

Quality, reliability and timely delivery  
are our founding principles.

To explore more products and solutions,  
you may order individual catalogues on;

-  **K-RING ACCESS**
-  **K-LOCK SLAB FORMWORK**
-  **K-LOCK ACCESS**
-  **K-STAGE SLAB & ACCESS**
-  **FRAMES/TUBES/PROPS**
-  **WALL FORMWORK**
-  **EN PROPS**



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