



# Fitting & Tubes

for shoring & scaffolding

Flexible



# Fitting & Tubes

for Oil & Gas

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[www.masterscaf.com](http://www.masterscaf.com)



# WELCOME



Economic



Safety

# Fitting & Tubes

## Introduction

Masterscaf for scaffolding & supply have experience in scaffolding industry.

Our services will enhance site productivity and safety. We are committed to leading the development of safe working at height and have been involved in some of the largest and most complex projects in Egypt. We work closely with our customers to ensure we are able to deliver a tailored solution within an agreed budget and timetable.



# Fitting & Tubes

## Products & Services

### Site support & surveys

Can be provided to ensure you achieve the most cost effective access solution for your project.



### Industrial Projects

Masterscaf for scaffolding & supply provides access solutions for :  
Petrochemical Plants, Power Generation, Planned Maintenance, Emergency Shutdowns, LNG Projects, Pipe Racks, Jetties, Fabrication, Hook-up, Offshore Oil and Gas Industry. Many of these environments provide some of The most demanding working conditions.

Only the most rigorous approach to safety, quality, and overall professionalism is acceptable. Masterscaf for scaffolding & supply have an enviable Reputation in this field.



### Construction

Masterscaf for scaffolding & supply has provided scaffolding, men and materials for a wide variety of construction projects of all sizes, and for many of the major construction companies throughout Egypt. Whether you require a simple access scaffold or a custom designed solution, Masterscaf for scaffolding & supply can bring a wealth of experience to a project.



### Erect & Dismantle Services

Masterscaf for scaffolding & supply provides a hire and erect service to compliment its range of access products. Skilled and experienced scaffolders can boost productivity by EDS for supply of scaffolders, minimize costs, and reduce the safety concerns associated with many projects. The rental of materials can be included in our proposals.



### Inspections

Regulations require that a competent person inspects the scaffold every 7 days. Masterscaf provide suitably qualified personnel to carry out these inspections and ensure your scaffolding is safe for use.



### Design

Masterscaf for scaffolding & supply have a team of experienced design engineers equipped with the latest design software to provide a tailored design solution when site requirements demand it.



## Products & Services

### Safety

Masterscaf for scaffolding & supply is committed to setting the standard for safe working practices in the access industry and comply with BS EN 12811-Parts 1&2:2004. The aim of the Masterscaf for scaffolding & supply safety management system is to provide the safest possible working environment for our staff and our customers.



### Local Manufacture

Masterscaf can manufacture the majority of our scaffolding requirements at our Factory locate in obour city industry zone. All products used by Masterscaf for scaffolding & supply are subjected to rigorous inspection at the point of manufacture and on a continuous basis while in service to ensure that our performance meets our exacting standard. Masterscaf have knowledge, the experience, and the solution for your access requirements.

### Scaffolding Tubes

**Galvanized or black tube is available**

**4.00 mm or 3.25 mm wall thickness also properties of steel tube.**

Wall thickness	4.00 mm	3.25 mm
Nominal outer diameter	48.30 mm	48.30 mm
Sectional area	5.57 cm <sup>2</sup>	4.53 cm <sup>2</sup>
Moment of inertia	1.80 cm <sup>3</sup>	11.60 cm <sup>3</sup>
Elastic Modulus	5.70 cm <sup>3</sup>	4.80 cm <sup>3</sup>
Radius of gyration	1.57 mm	1.60 mm



# Fitting & Tubes

## Scaffold Couplers

### Scaffolding Fittings

Scaffold couplers are essentially the fundamental component that is used to assemble tube-and-coupler scaffolding. This basic fitting is designed to join two scaffold tubes that can be used to create a diverse range of scaffolding structures.

**Forged Double Coupler**



Class	: B
Weight ( kg )	: 0.95
Slipping Force ( kn )	: 9.10
Ultimate load ( kn )	: 30

**Forged Swivel Coupler**



Class	: A
Weight ( kg )	: 1.10
Slipping Force ( kn )	: 6.10
Ultimate load ( kn )	: 14

**Sleeve Coupler**



Class	: A
Weight ( kg )	: 0.96
Slipping Force ( kn )	: 3.60
Ultimate load ( kn )	: 6

**Board Retaining Clamp**



Weight ( kg )	: 0.62
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**Forged Putlog Coupler**



Weight ( kg )	: 0.65
Slipping Force ( kn )	: 0.63

**Gravlock Girder Clamp**



Weight ( kg )	: 1.40
Uniformly loaded per pair: 30 kn	
force on leading coupler :15 kn	



# Fitting & Tubes

## Components

### Access stair unit

#### Stairway unit complete set

Designed to save time by enabling personnel to enter & move through work areas with greater convenience & safety .



#### Steel Plank

use as a waik way for labor movement .  
Steel Plank lengths are available in different sizes which.

Item with length	Weight Kg
Steel plank length 1.20	8.15
Steel plank length 1.60	10.68
Steel plank length 1.80	12.22
Steel plank length 2.50	17.00



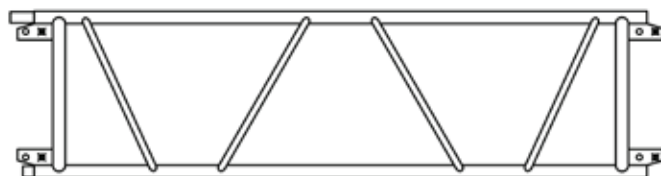
#### Steel Ladder Beam



Item	Weight Kg
Steel Ladder Beam 6.00 m	45.00
Steel Ladder Beam 5.00 m	37.50
Steel Ladder Beam 4.00 m	30.00
Steel Ladder Beam 3.00 m	22.50

#### Unit Beam

Item	Weight Kg
Unit Beam 3.60 m / 3.25 mm- st 52	36.00
Unit Beam 2.40 m / 3.25 mm- st 52	25.00



#### Castor wheel

Provide movements to the Cuplock Towers from different places .

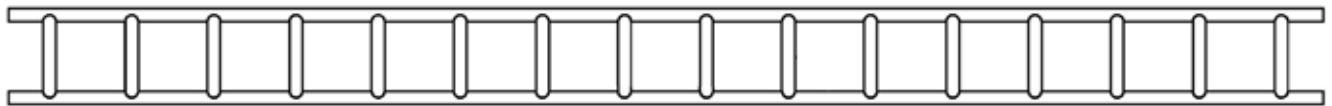


# Fitting & Tubes

## Components

### Ladder Beam

Item	Weight Kg
Ladder Beam 6.00 m	76.20
Ladder Beam 5.00 m	37.50
Ladder Beam 4.00 m	30.00
Ladder Beam 3.00 m	22.50



### Scaffolding Board

Scaffold Boards are a natural resource and are not a factory production item like many of our products. This means that careful visual inspection is important, as they perform a vital safety function in providing a secure working platform.

#### LVL scaffolding board wide 225 mm x thick 38 mm

Item with length	Weight Kg
LVL scaffolding board Length 3.95 m	8.15
LVL scaffolding board Length 3.00 m	10.68
LVL scaffolding board Length 2.50 m	12.22
LVL scaffolding board Length 2.00 m	17.00
LVL scaffolding board Length 1.50 m	13.00



# Fitting & tubes system



## Head Office

New Cairo Business Park - Building 25K

## Factory

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