



Scaffold System product catalog

RINGLOCK • TUBES • FITTINGS • RACKING SYSTEM

20 23



"Source for Your Needs"



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About Us

Our company provides expertise in scaffolding and manpower supply for the last 21 years, mainly in scaffolding works for construction and plant maintenance in the Oil & Gas and Petrochemical industries.

Our team is experienced, competent, and relies on innovation to accommodate even the most complex access requirements at the site. To that end, we are heavily promoting the use of prefabricated scaffolding rather than the conventional tube and coupler system.

All Round Modular Scaffolding (ARMS) is our prefabricated scaffolding systems, which features the following:

- A Malaysian Product designed and recognized to meet local standards
- Promotes a high productivity output while reducing dependency on manpower



Our Services



Trading and rental of scaffolding materials



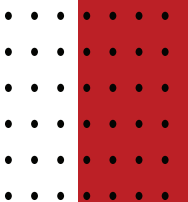
Sole distributor of our own Scaffolding Management System for overall management of scaffolding activities



Scaffolding inspection and consultancy services



Scaffolding erection and dismantling with tube and coupler and/or prefabricated scaffolding system





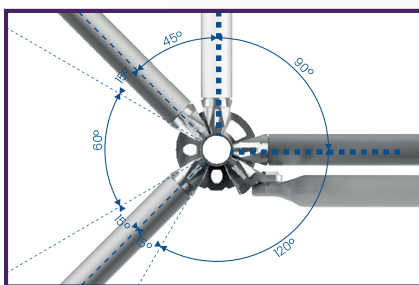
Our Products

All Round Modular Scaffolding (ARMS)

All Round Modular Scaffolding (ARMS) is a prefabricated scaffolding system based on the ringlock system. This system has revolutionized the scaffolding industry, improving greatly from frame type or tube and coupler systems and has been a mainstay in temporary access works around the world.

Essentially, ARMS eliminates the use of couplers in providing a secure connection of a vertical and horizontal component in a tube and coupler system. Instead, the use of rosettes fixed at regular intervals and pin connections allow for greater integrity between connections and emphasize productivity value.

ARMS or any prefabricated scaffolding system has its roots from the tube and coupler system, sharing key dimensions such as the outer diameter as well as construction material and characteristics. This enables the use of tubes and couplers together with the prefabricated scaffolding system, further improving its flexibility.



Advantages of ARMS

ZERO LOSS

Improved occupational safety during assembly and use due to the welded rosettes and wedge pin locking, near- to-zero loose components and excess tube lengths

ERGONOMIC

Fixed connections and wedge pin locking contribute to familiarity and ease of assembly

FAST

Fixed connections and wedge pin locking system contribute to at least 50% time saving in erection and dismantling of structures

ROBUST

Increased loading capacity due to stronger positive connections

EFFICIENT

Integrated spigots allow for faster connection making and eliminate the need to level every horizontal member

Quality Assurance

Our Product:

1. Designed, Tested and Manufactured according to:

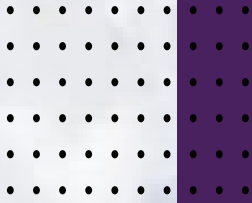
- **EN12811**
- **EN12810**
- **MS1462-3-1**
- **MS1462-4-1**

2. Includes certification from Construction Research Institute of Malaysia (CREAM)

Our People:

1. Project Management Team comprising of Project Manager, Planners, and Engineers
2. Experienced and Competent Inspectors, Supervisors, and Scaffolders with certification from Department of Safety and Occupational Health of Malaysia





Why Choose Us

1. Experience

- 21 years in providing scaffolding services to our industry partners

2. Specialization

- Providing specialized and bespoke services, a through and through scaffolding company

3. Innovation

- Application of a new technologies to provide added value to the customers

4. Safety

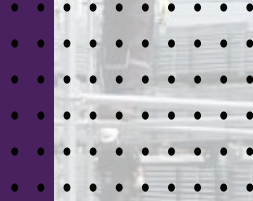
- Safety as our license to operate

5. Cost Saving

- Competitive pricing through a focus of long term business and localized procurement

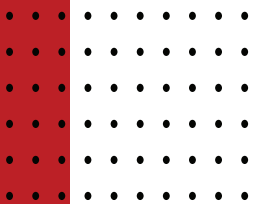


Our Team



Our Executive Management and Departmental Heads are a dedicated team of professional individuals, not only driven by the success of the business but also by the success of our clients. We are a team of very experienced multinational personnel in our chosen fields. We are well versed with the latest industry practices not only in the manufacturing arena but also out on the project, just where you need us to be.

We value our people and embrace that our business is built on our people. By taking a conscious decision to always look for innovation, we have successfully shown that we can offer better technology and value to our clients.

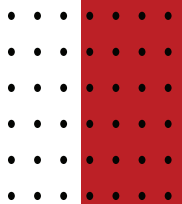
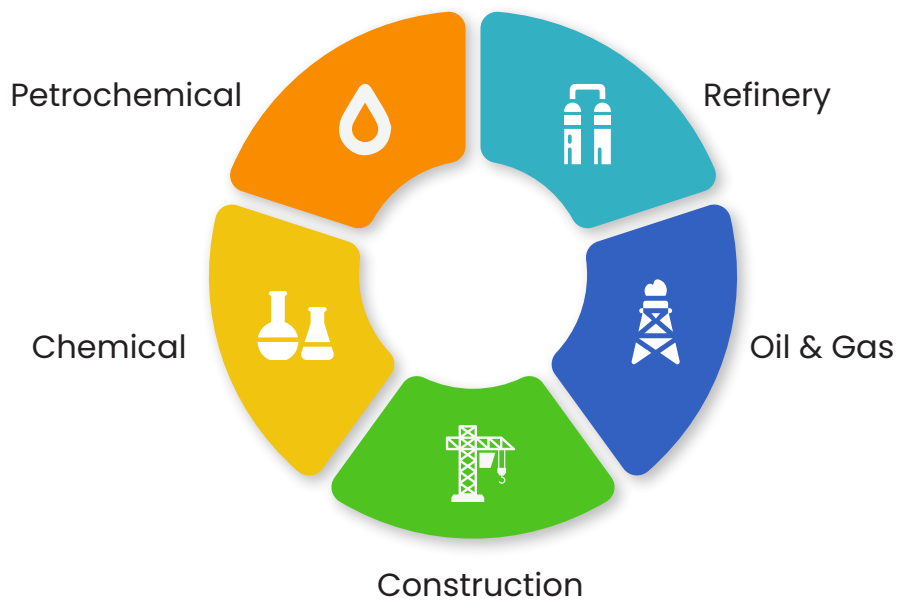




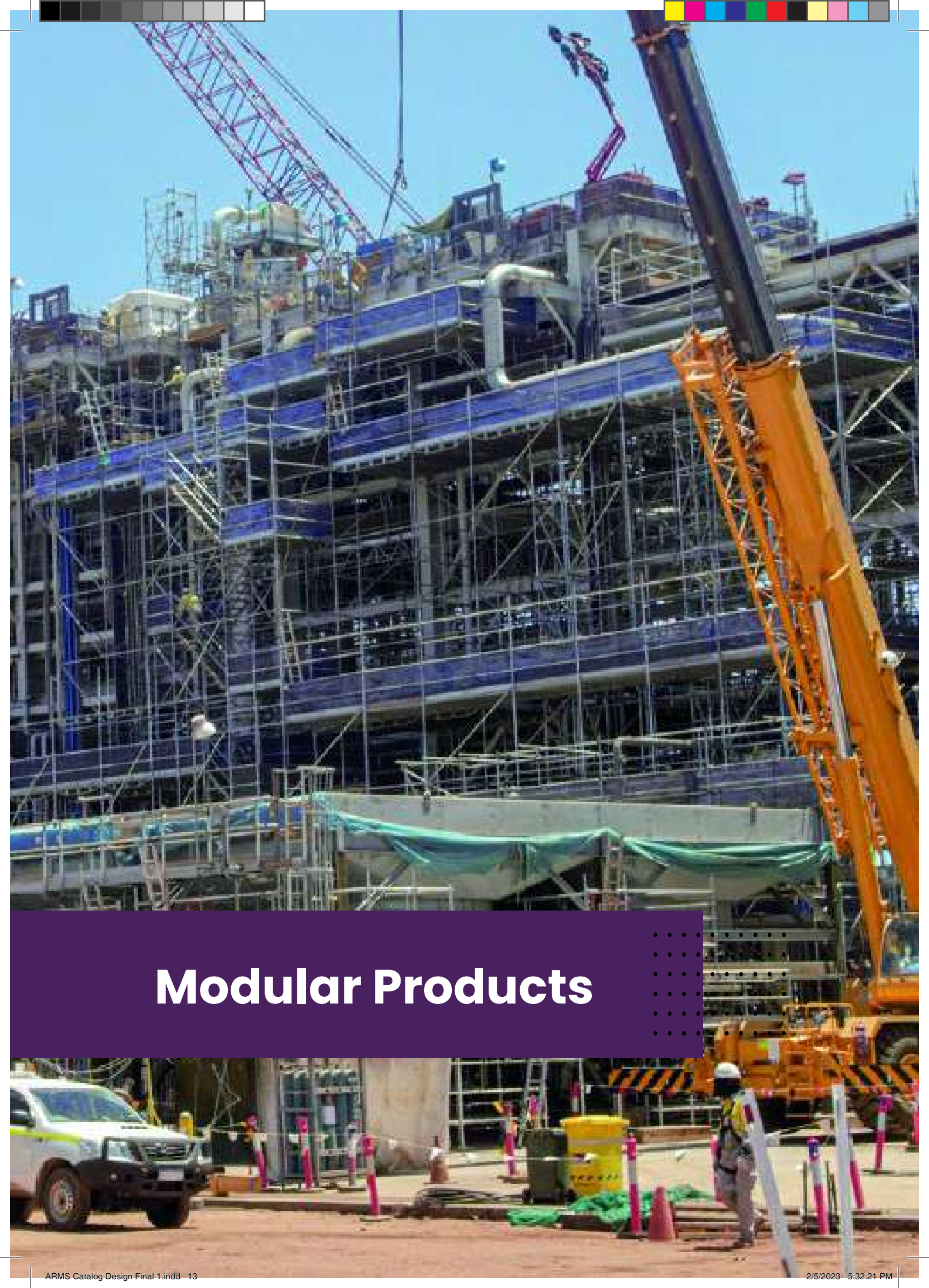
Asset Management

ARMS contributes greatly to asset management activities, whereby its productivity can reduce the overall downtime of assets. ARMS can be utilized in every sector and industry safely, complying with local regulations and health, safety, and environment (HRE) requirements.

INDUSTRIES SERVED







Modular Products

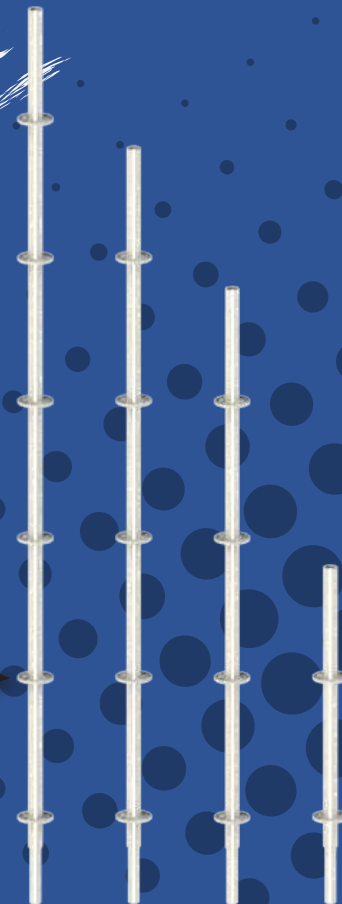
1 RINGLOCK STANDARD

Main vertical component of ARMS, connected by joint pins and have rosettes at every 500mm interval for a maximum of six connections.

Size : 48.3 x 3.2 (MM)

LENGTH (MM)

1000
1500
2000
2500
3000
3500
4000



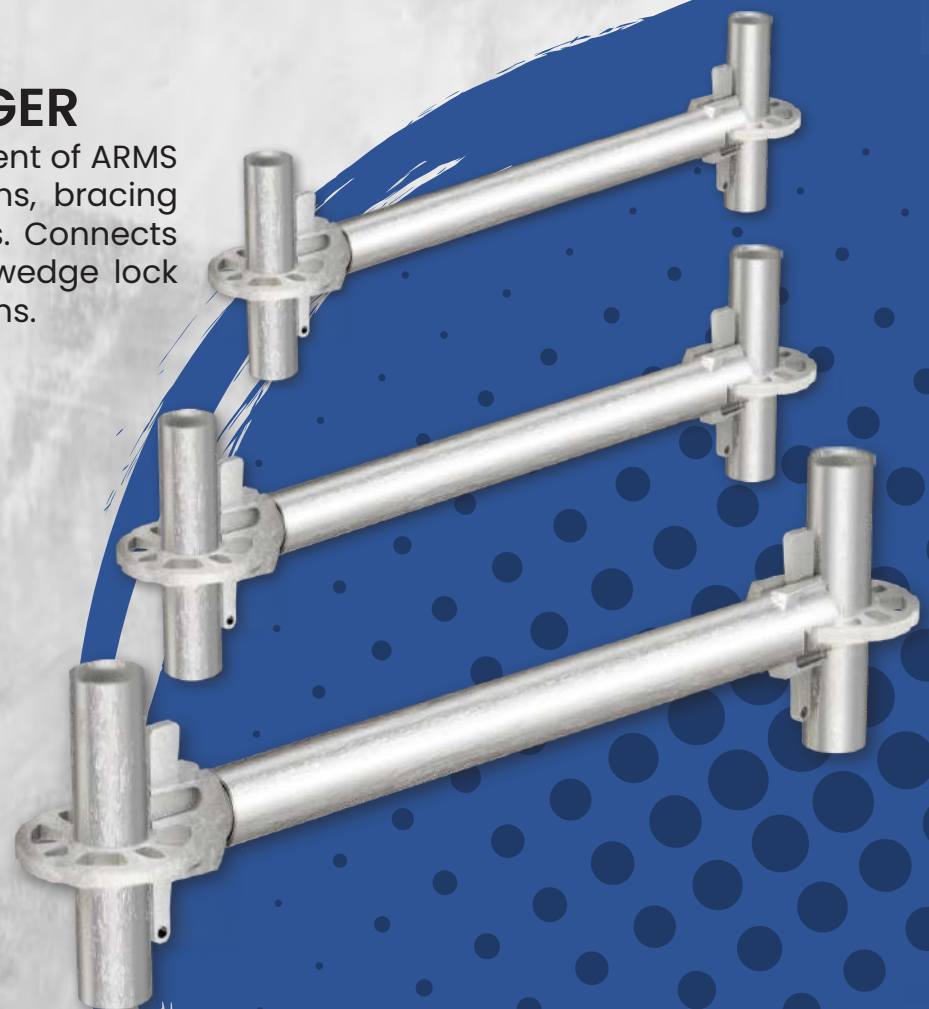
2 RINGLOCK LEDGER

Main horizontal component of ARMS and acts as deck beams, bracing elements and guardrails. Connects to Standard by way of wedge lock and secured with joint pins.

Size : 48.3 x 3.2 (MM)

LENGTH (MM)

470
790
1110
1430
2070
2390
3030



3 TRUSS LEDGER

Horizontal component similar to Ringlock Ledger, however, with additional bracing to provide improved strength for more strenuous applications

SIZE (MM)

48.3 x 3.2

LENGTH (MM)

3030



4 DIAGONAL BRACE

Provides diagonal brace to basic system of standards and ledgers. Its high connection values also facilitate special structures.
Size : 42 x 3.0 (MM)

LENGTH (MM)

470 x 2000

790 x 2000

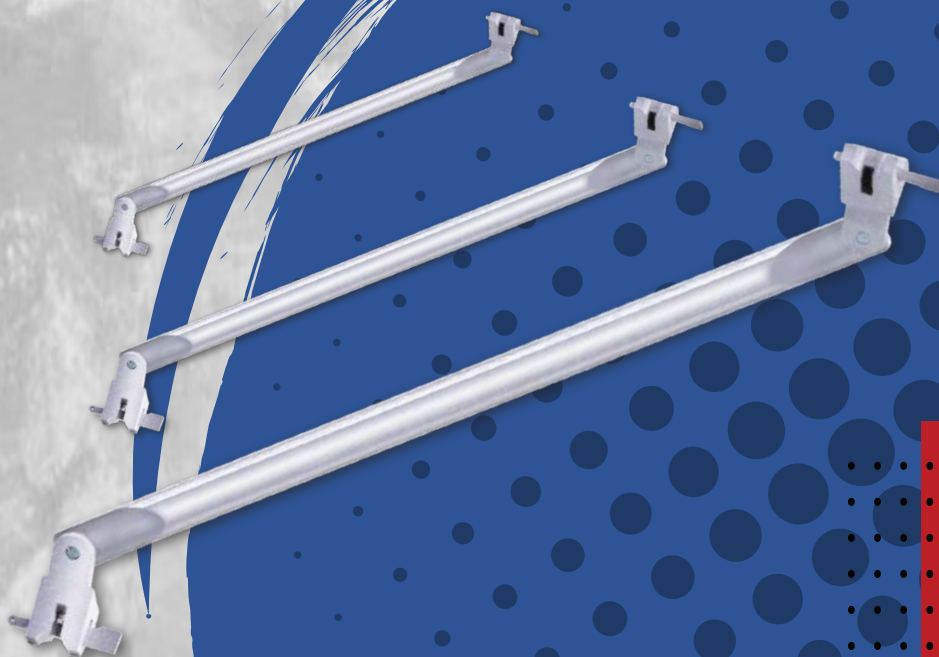
1110 x 2000

1430 x 2000

2070 x 2000

2390 x 2000

3030 x 2000



5 METAL DECK

Scaffolding Metal Deck provides a safer working platform and comes with integrated lift-off and tilt mechanism.

Size : 320 x 76.5 (MM)

LENGTH (MM)
790
1110
1430
2070
2390
3030

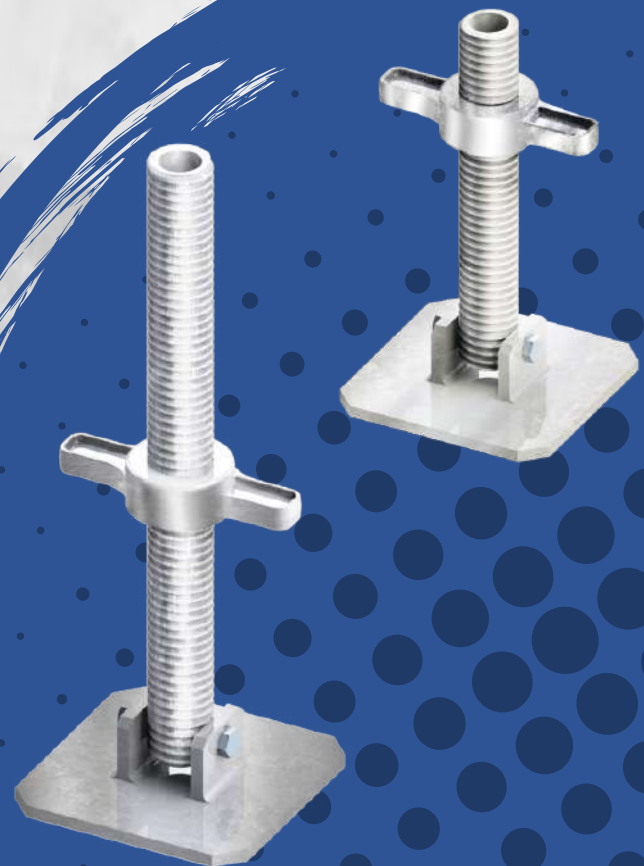


6 BASE JACK

Acts as the starting component for scaffolding construction, providing a stable base with height adjustability to ensure structure is plumb

SIZE (MM)	LENGTH (MM)
140 x 140 x 6.0 (base) 38.5 x 4.0 (tube/screw)	400
140 x 140 x 6.0 (base) 38.5 x 4.0 (tube/screw)	600

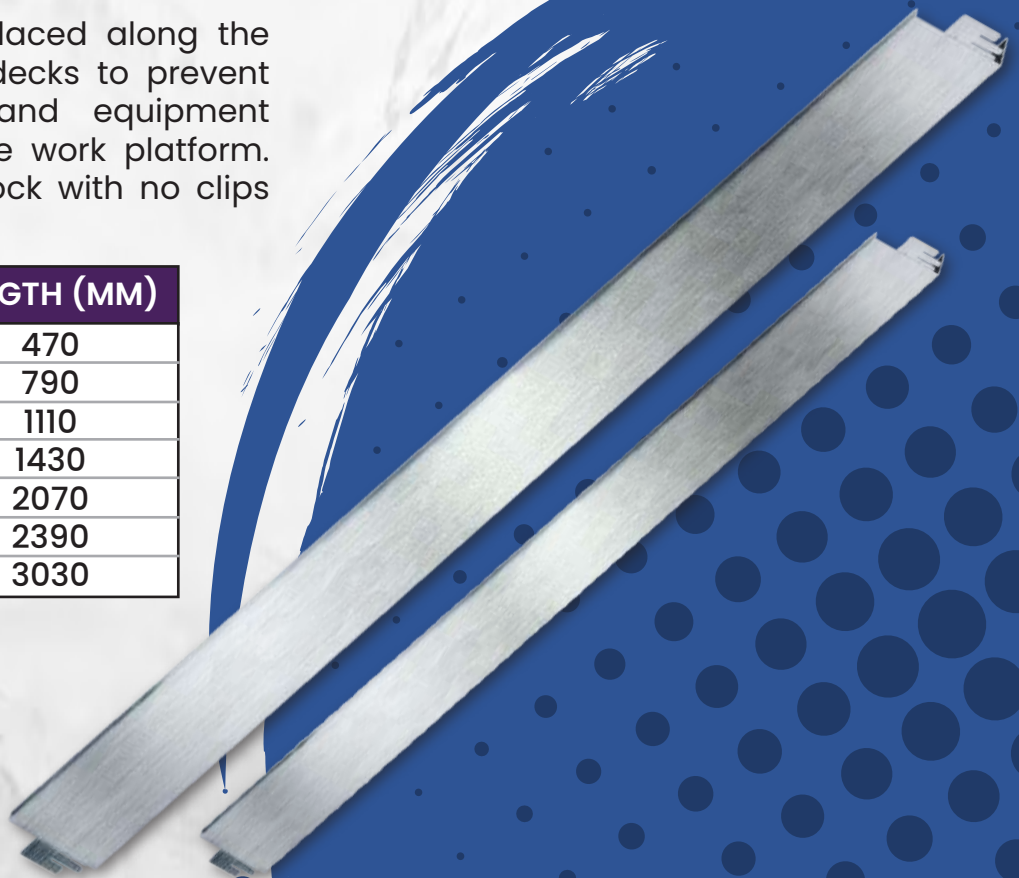
*Size Available Upon Request



7 TOE BOARD

Vertical barriers placed along the sides of scaffold decks to prevent materials, tools and equipment from falling off the work platform. Designed to interlock with no clips and clamps.

SIZE (MM)	LENGTH (MM)
180 x 1.2	470
180 x 1.2	790
180 x 1.2	1110
180 x 1.2	1430
42 x 1.4	2070
42 x 1.4	2390
42 x 1.4	3030



8 BASE COLLAR

Adapter connecting the base plate and first standard to build a scaffolding base. It is the beginning vertical member of the scaffolding system.

SIZE (MM)
48.3 x 3.2
LENGTH (MM)
3030



9 TRIANGLE BRACKET (Single Platform)

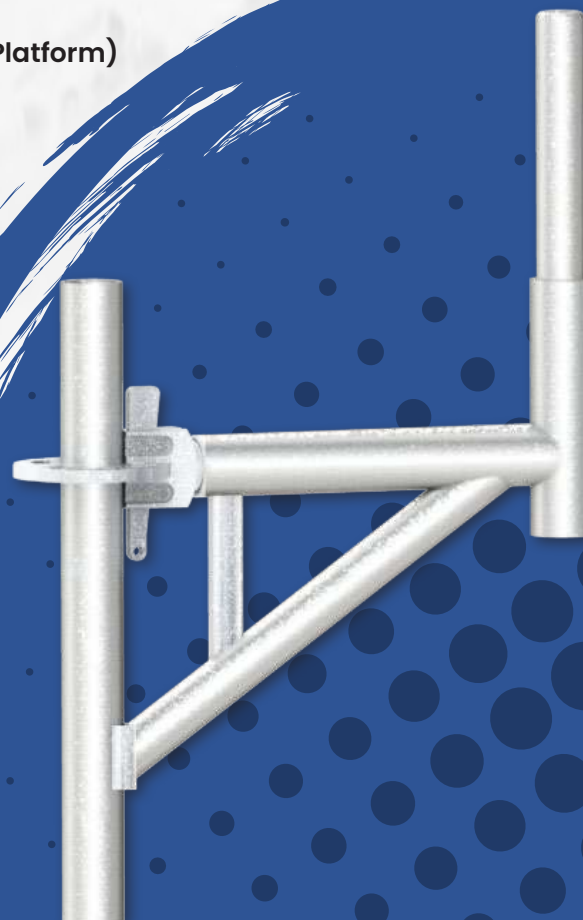
Widens scaffolding from an existing bay to allow more horizontal reach and accommodates one metal platform

SIZE (MM)

48.3 x 3.2

LENGTH (MM)

438



TRIANGLE BRACKET (Two Platforms)

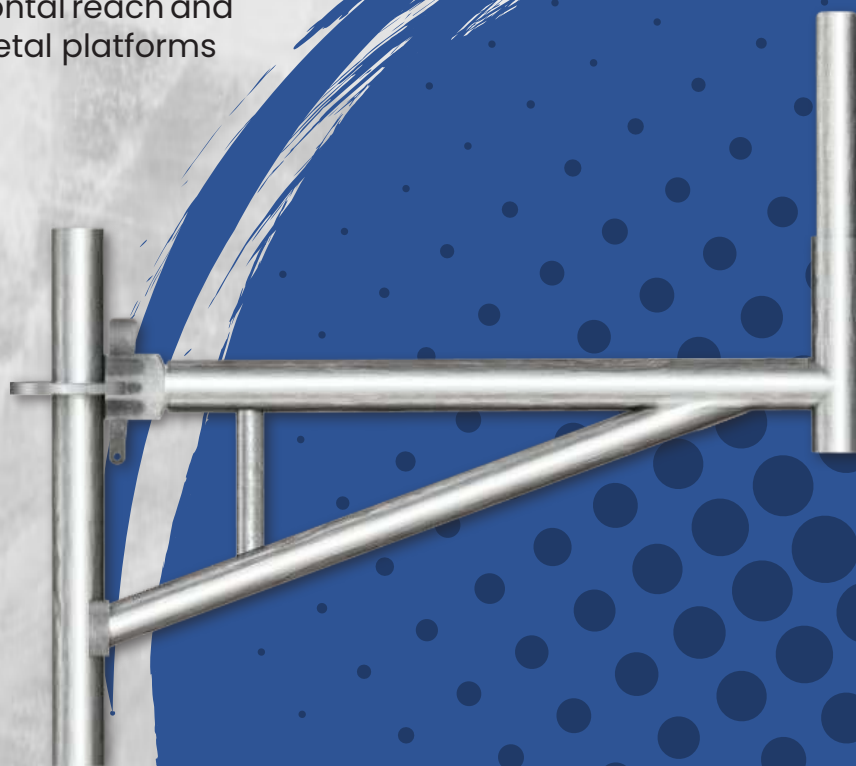
Widens scaffolding from an existing bay to allow more horizontal reach and accommodates two metal platforms

SIZE (MM)

48.3 x 3.2

LENGTH (MM)

758



10 INTERMEDIATE TRANSOM

Provides connection between ledger to ledger for accommodating special bay designs.

Size : 42 x 3.0 (MM)

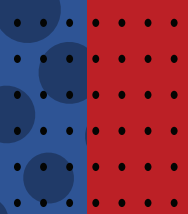
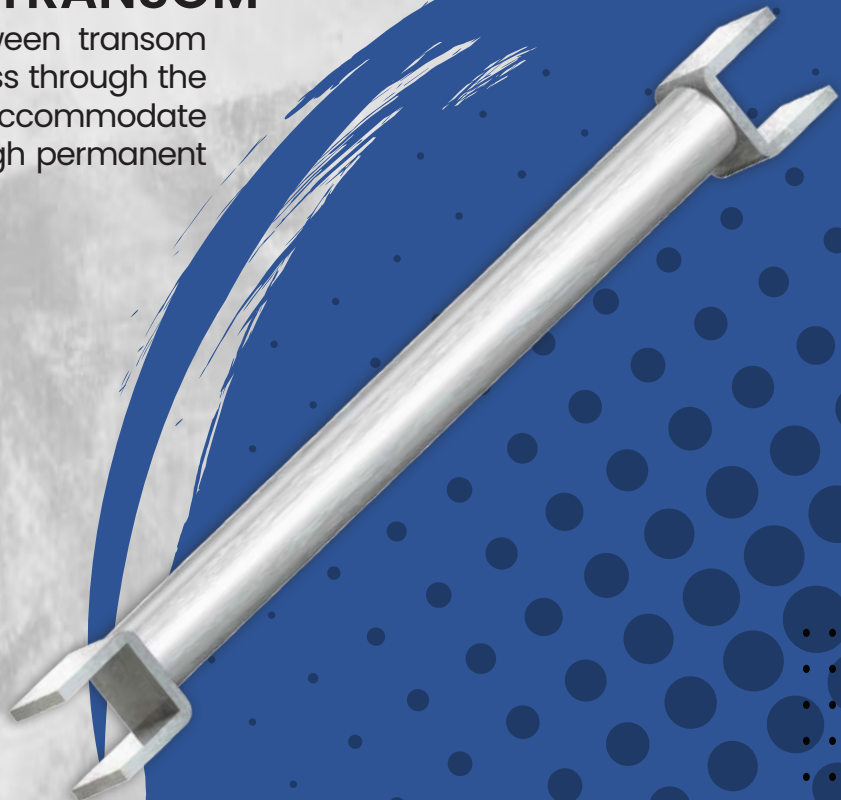
LENGTH (MM)
470 x 2000
790 x 2000
1110 x 2000
1430 x 2000
2070 x 2000
2390 x 2000
3030 x 2000



11 DECK TO DECK TRANSOM

Provides connection between transom to deck to construct access through the working platform or to accommodate building scaffolding through permanent obstructions.

SIZE (MM)
48.3 x 48.3
LENGTH (MM)
640



12 LEDGER TO DECK

Provides connection between ledger to deck to construct access through the working platform or to accommodate building scaffolding through permanent obstructions

SIZE (MM)
48.3 x 48.3
LENGTH (MM)
640



13 GIRDER (Applicable to All Sizes)

Heavy duty horizontal component alike to ledger, provides exceptional strength for special structures such as bridge scaffolding.
Size : 500 x 48.3 (MM)

LENGTH (MM)
4093.4
4683.4
5963.4



14 ROSETTE CLAMP

Allows flexibility of construction by providing rosettes at standards apart from the permanent rosettes of the standards. Fixed to the standard by way of clamping.

SIZE (MM)

To fit on 48.3 Standard



15 ALUMINIUM VERTICAL LADDER

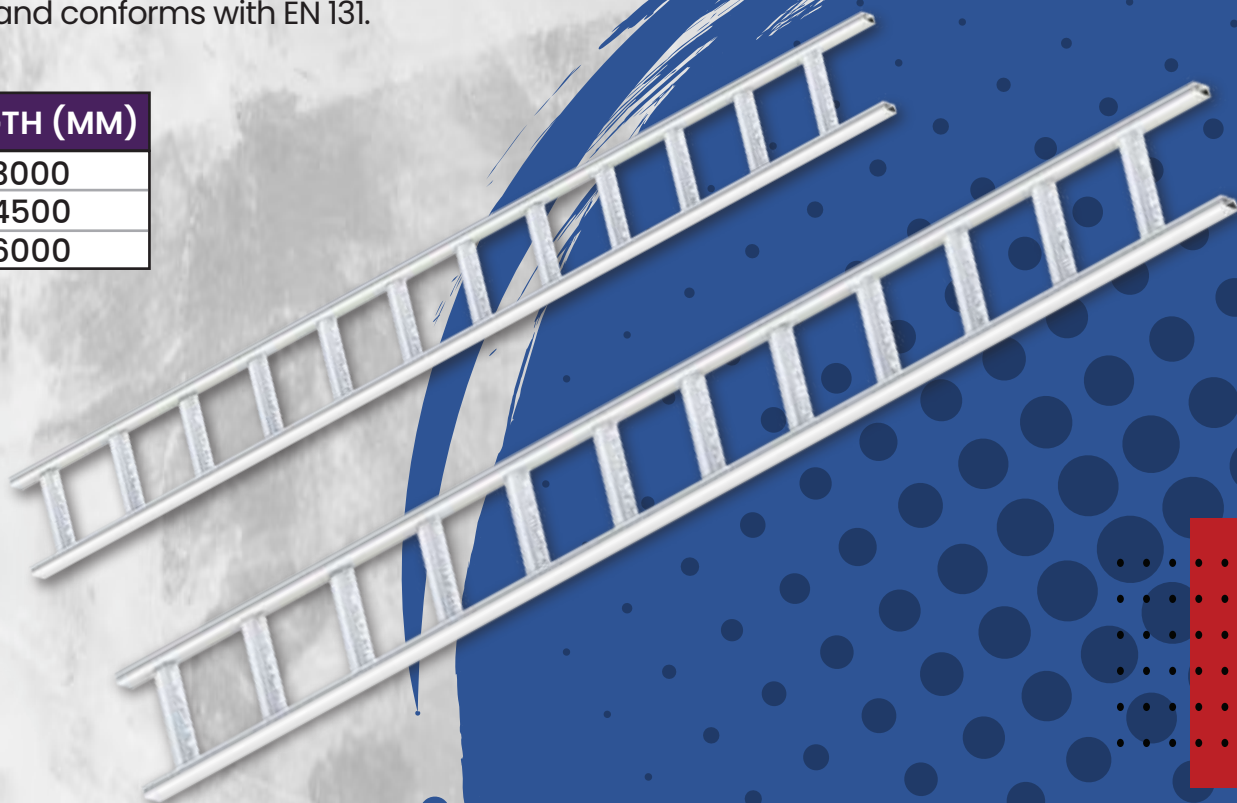
Provides vertical access to scaffolding bays and conforms with EN 131.

LENGTH (MM)

3000

4500

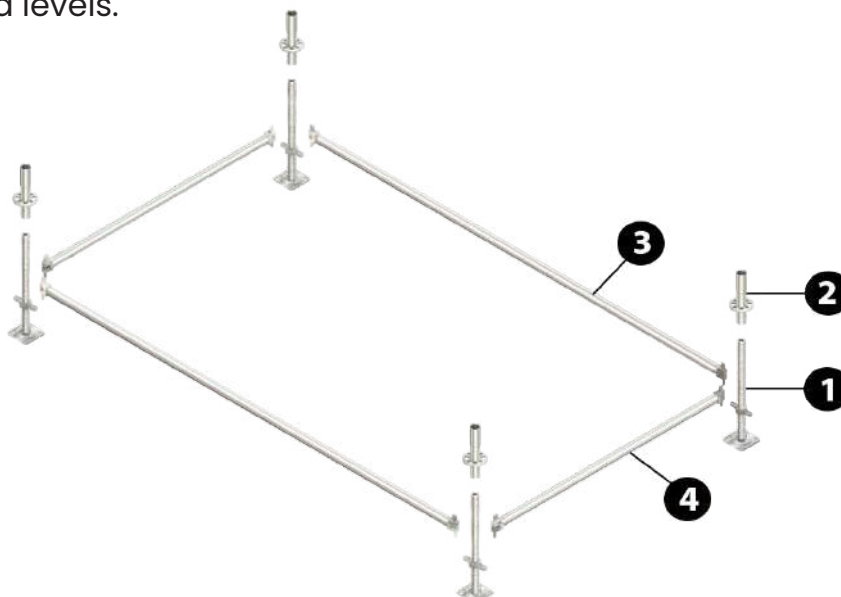
6000



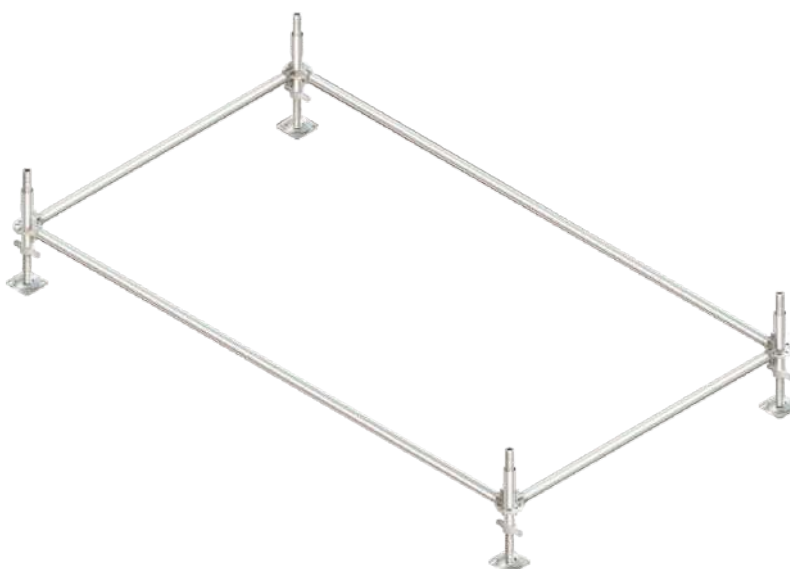
Product Manual

Scaffold Assembly

1. Fit adjustable base jacks (1) with collars (2) and lay out in position with their corresponding horizontal (3). Start setting out at the highest ground level in order to simplify levelling later on. It helps if the screw jack nut is not at the bottom of the thread. This will allow maximum adjustment possibilities at lower ground levels.



2.
DO NOT DRIVE HOME WEDGES AT THIS STAGE



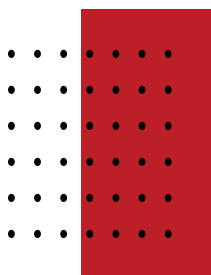


3. Using a spirit level, adjust the bases so that the horizontal are horizontal.

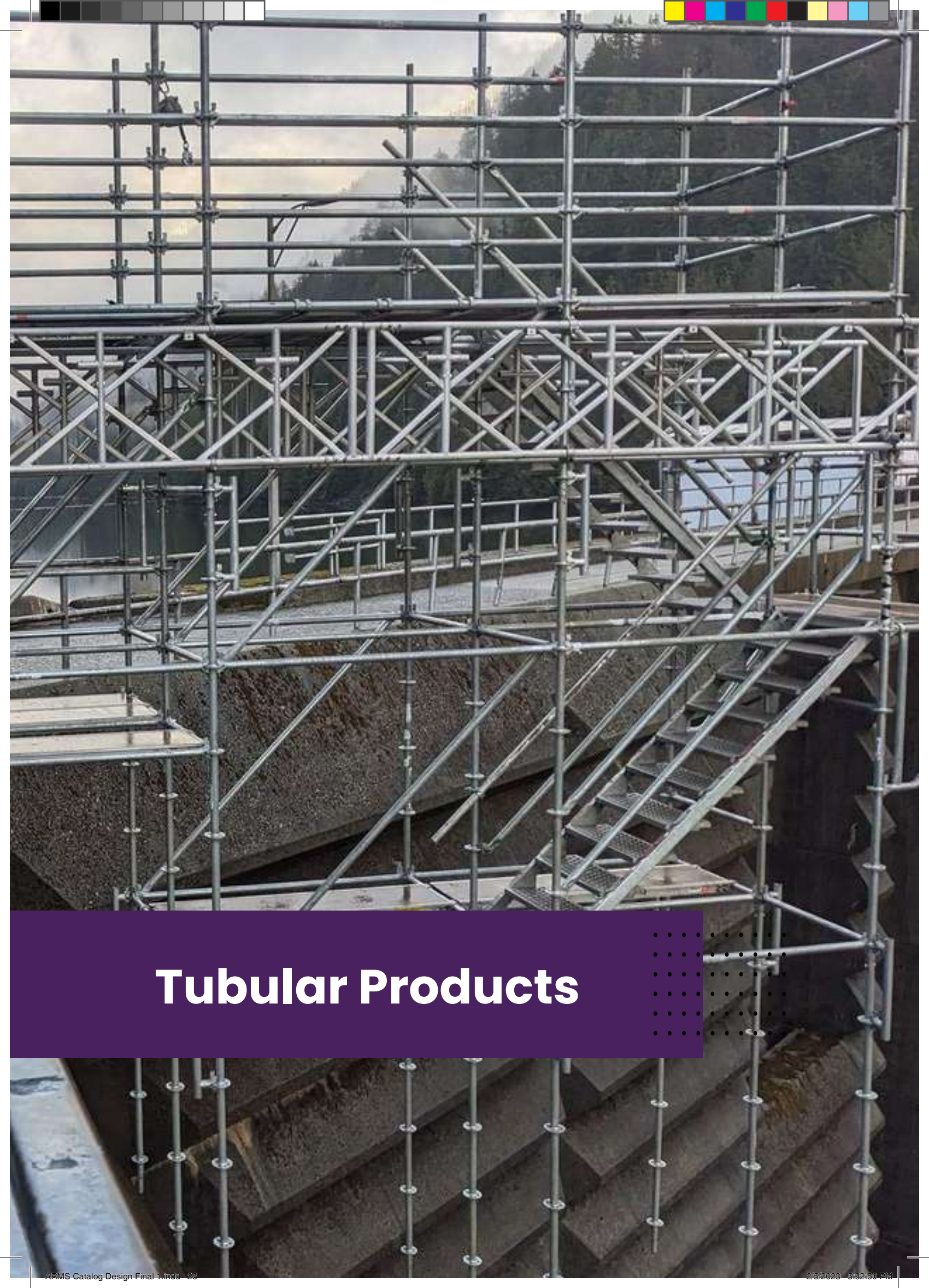
ONCE LEVEL, DRIVE HOME WEDGES



2. Following basing out, commence placement of the standards.





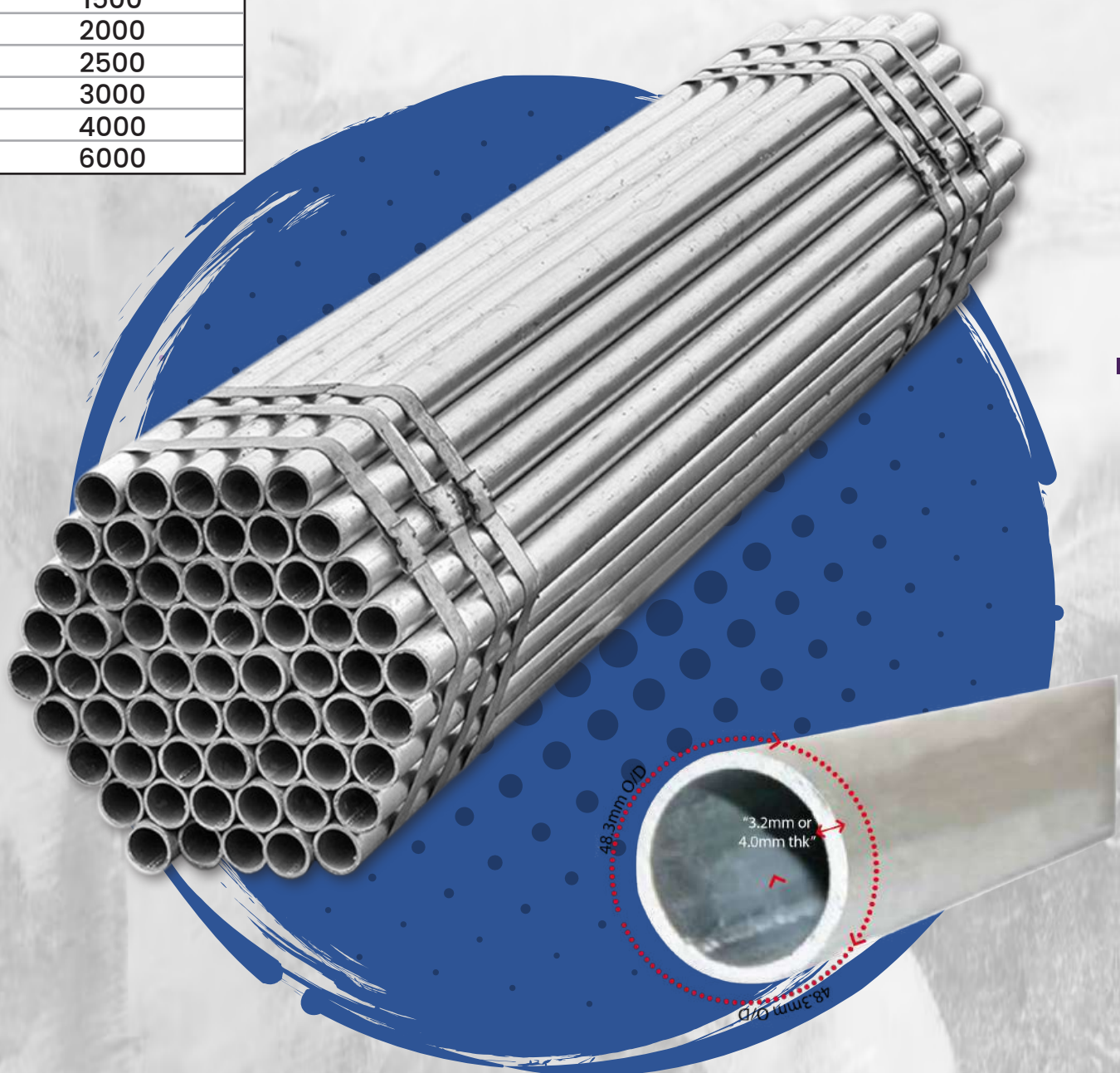


Tubular Products

1 TUBULAR PIPE

Tubular Scaffolding system consists of galvanised steel pipes that are connected together by couplers and can be erected in virtually any configuration for falsework and working scaffolds. Flexible as a free-standing scaffold, independently-tied scaffold, bird-cage scaffold or suspended scaffold. Size : 48.3 x 3.2 (MM)

LENGTH (MM)
500
1000
1500
2000
2500
3000
4000
6000



2 SCAFFOLD METAL DECK

The Scaffold steel plank is an important part of the scaffolding. It is used as a walkway steel plank in the scaffolding system for construction safety. The use of steel scaffold plank avoids the disadvantage of heavy water absorption and extreme slippery caused by rain on wooden scaffold planks.

LENGTH (MM)
1000
1500
2000
2500
3000
4000



3 BEAM COUPLER

Weight : 1.5 kg

Compliance : AS1576.2@2009
Standard

Type : Hot Dip Galvanized

Use : Used for attaching scaffold tube to steel beam.



4 DROP FORGED DOUBLE COUPLER

Weight : 1.0 kg

Compliance : EN74-1:2005 Class B,

Standard AS1576.2:2009

Type : Hot Dip Galvanized

Use : Forged coupler are used to connect pipe and clamps two perpendicular to each other in a scaffold.



5 DROP FORGED SWIVEL COUPLER

Weight : 1.15 kg

Compliance : EN74-1:2005 Class A,

Standard AS1576.2:2009

Type : Hot Dip Galvanized

Use : Forged coupler are used to connect and clamp two pipes perpendicular to each other in a scaffold.



6 DROP FORGED PUTLOG COUPLER

Weight : 0.65kg

Compliance : AS1576.2:2010

Standard BS1139:2009

Type : Hot Dip Galvanized

Use : Used to connect two tubes at right angle to create transom like supports.



7 SLEEVE COUPLER

Weight : 1.0 kg

Compliance Standard : BS1139-2.2:2009

Type : Hot Dip Galvanized

Use : Sleeve coupler acts as jointer at standard position of tubes to enhance productivity.

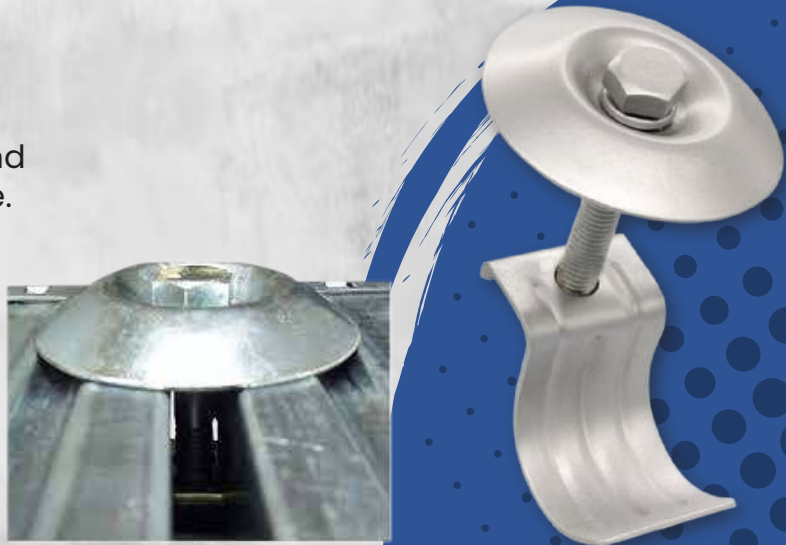


8 LIMPET COUPLER

Weight : 0.35 kg

Type : Available in zinc plated

Use : To secure metal deck and lower usage of steel wire.



9 BASE PLATE

Weight : 1.15kg

Compliance Standard : EN74:1998

Use : Base plate is used with sole board to provide a flat bearing surface for even load distribution of scaffold.







Racking / Storage



10 MESH STILLAGE

Available Size : 1345mm x
1116mm*812mm Height

Material : Steel

Coating : Full Hot Dip Galvanized

Pack Sizes : Individual / Container
Custom sizes and
options are available

Safe Working Load (SWL) : 1000kg

Self Weight : 90.00kg



11 COUPLER CAGE BASKET

Available Size : 1090mm Height x
900mm Width x
900 Length

Body : High Tensile Expanded
Metal Grating

Lifting : 115 x 65mm Lifting Point

Coating : Zinc Plated / Hot Dip
Galvanized

**Safe Working : 1000kg
Load (SWL)**

Self Weight : 108.00kg



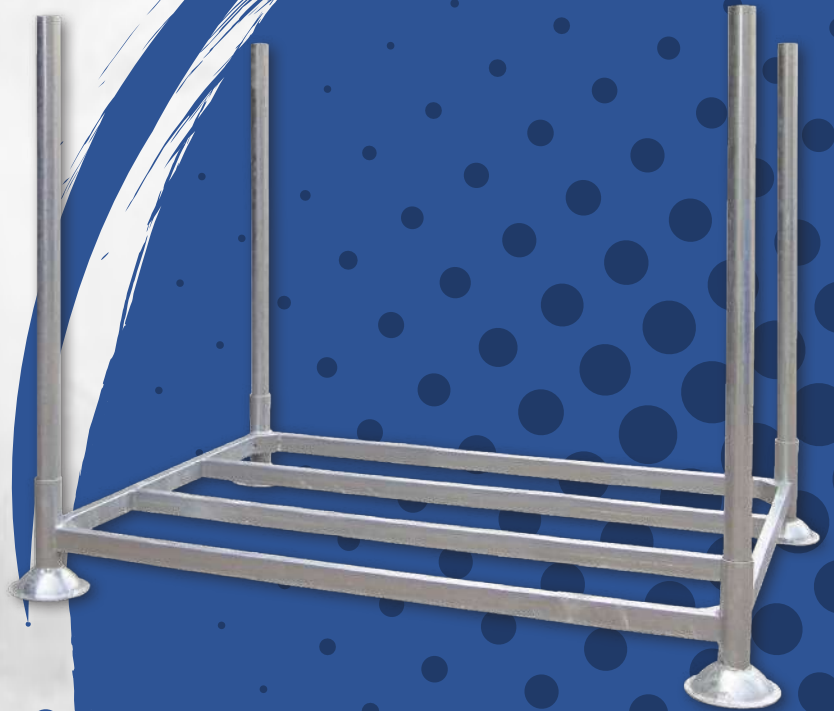
12 STEEL PALLET

Available Size : 933mm x 933mm
687mm height

Material : 48.3mm x 3.2mm 235 welded
tubes in accordance
with EN39

Coating : Hot Dip Galvanized

Self Weight : 30.00kg



13 FOLDING CAGE BASKET

Available : Internal size (LxWxH):
Size 1200*1000*890mm

External size (LxWxH):
1150*950*750mm

Wire Diameter (mm) : 6.0(0.2)

Material : Steel Wire

Mesh Gauge : 50 x 50mm

Self Weight : 60.8 -(kg) 2%

Coating : High Zinc Plating

Pack Sizes : Individual / Pallet
Custom sizes and
options are available

Safe Working : 1500kg
Load (SWL)



Standard & Regulation

The design of Scaffolding complied to the following standard and regulation :

1

Prefabricated Scaffold

Specification for steel & aluminium modular system scaffolding (reference BS EN 12810-1:2003)

2

MS1462: Part 3-1:2011

Temporary Works Equipment:
Performance requirements and general design
(reference BS EN 12811-1:2003)

3

MS1462: Part 3-1:2011

Guideline For Approval of Design Scaffolding 2016

4

PETRONAS

PETRONAS Technical Standard July 2019
(PTS18.52.09)

Certificate of Registration

1

CREAM
CERTIFICATION REQUIREMENT OF MODULAR SCAFFOLDING

PRODUCT CERTIFICATE OF CONFORMITY

This certificate hereby certifies that the product as detailed in this certificate has satisfactorily complied with the requirements of the appropriate Standard(s) and the Certification Scheme Requirement of CREAM Certification Services (CCS).

Name and Address of Certificate Holder:
HRSB Holdings Sdn Bhd
Lot 2044 Mukim Sungai Baru Ulu, Solok Duru,
78300 Masjid Tanah, Melaka, Malaysia

Name and Address of Manufacturer:
Tianjin Wellmade Scaffold Co., Ltd.
No 1 Guangqiao, Tanggu Industrial Zone, Jinghai, Tangjin, China

Product Name: Prefabricated Steel Modular System Scaffolding
Product Standard(s): MS 1482-3-1:2011, MS 1482-4-1:2013
Product Description: All Round Modular Scaffolding (ARMS)

For details, please refer to the Schedule at the back of this report.

Brand Name: ARMS
Country of Origin: China

Certificate and Validity Dates:
Date of Initial Certification: 12 July 2019
Date of Renewal: 29 December 2023
Valid Until: 11 July 2025

This certificate is awarded on the basis of an assessment against the standards for conformity which includes the manufacturer's production control system, production facilities, and product conformity to standard product with assessment of the supporting quality management system. This Certificate remains the property of CCS and shall be returned upon request. The use of this certificate is subject to the terms and conditions of the Certification Agreement.

Certification approved and signed by:
H. M. Ramussen
Chief Executive Officer

Serial No: 220197

2

JABATAN KESELAMATAN DAN KESEHATAN PEKERJAAN MALAYSIA
KEMENTERIAN SUMBER MANUSIA
DEPARTMENT OF OCCUPATIONAL SAFETY AND HEALTH
MINISTRY OF HUMAN RESOURCES
Ave 1, J.A. & B, Blok D4, Kompleks D
Pusat Pendaftaran Kemajuan Pembangunan
62500 PUTRAJAYA
MALAYSIA

Ruj. Kami : JOKOP DC127/7799/1 kh 3 (48)
Tarikh : 9 April 2019

Presiden
HRSB Holdings Sdn Bhd,
Lot 2044, Mukim Sungai Baru Ulu,
78300 Masjid Tanah,
Melaka.
(U/P: Datuk Hj Mohd Fuzail Bin Mohd Ismail)

Ythg Datu',

PER: TIADA HALANGAN PENGGUNAAN "MODULAR SCAFFOLDING" DENGAN MEMATUHI STANDARD MS1482, BS EN 12810 dan BS 1139.

Saya merujuk kepada perkara yang tertera di atas.

2. Setelah ditinjau kembali bahawa setelah ditinjau buta-butir yang ditunjukkan, laporan ini tidak apa-apa terhadap bagi pihak Ythg Datu' menggunakan "Modular Scaffolding" dengan syarat perlu mematuhi bahawa bahan, reka bentuk, dimensi dan ketebalan dinding adalah berdasarkan kepada syarat-syarat dan klasifikasi yang tertera dalam piawaian yang ditetapkan di atas, pihak Ythg Datu' juga perlu memastikan bahawa penamat ini dipasang dan diselia oleh orang yang kompeten dengan selamat dan tanpa risiko kepada kualiti apabila digunakan.

3. Sekiranya berlaku sebarang perubahan ke atas bahan, reka bentuk, dimensi dan ketebalan dinding berdasarkan kepada piawaian yang ditetapkan di atas, kebenaran ini secara automatiknya terfaham dan pematuhan haruslah berkuatkuasa untuk digunakan kepada pihak JOKOP.

4. Jurutera Profesional bertulis yang memandatkan lantikan penamat dan pengiraan struktur bertanggungjawab sepenuhnya ke atas reka bentuk perancang yang dibuat.

3

SGS

TEST REPORT

No.: SHN19056152SCCM
Date: Jul. 09, 2019
Page: 1 of 15

CUSTOMER NAME: HRSB HOLDINGS SDN BHD
ADDRESS: LOT 2044, MUKIM SUNGAI BARU ULU, SOLOK DURU, 78300 MASJID TANAH, MELAKA, MALAYSIA

Sample Name: PREFABRICATED STEEL MODULAR SYSTEM SCAFFOLDING
Product specification: OD48.3*4.0
Manufacturer: TIANJIN WELLMACED SCAFFOLD CO., LTD
Material and Mark: Q235

Above information and sample(s) was/were submitted confirmed by the client, SGS, however, assumes no responsibility to verify the accuracy, adequacy completeness of the sample information provided by client.

Test Required: Please see the next page(s)
Test Method: Please see the next page(s)
Date of Receipt: May. 27, 2019
Testing Start Date: May. 27, 2019
Testing End Date: Jul. 01, 2019
Test result(s): For further details, please refer to the following page(s) (Unless otherwise stated the results shown in this report refer only to the sample(s) tested)

Signed for:
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
Joyce Li
Authorized signatory

DETAILS

- 1 SGS Verification of Conformity
- 2 DOSH Surat Tiada Halangan Penggunaan
- 3 SGS CSTC Standard Technical Services Certificate



SU 5, Jalan Masjid Tanah 1, Taman Masjid
Tanah , 78300 Masjid Tanah Melaka



Phone : +06-3852692



www.armscaff.com



WWW.ARMSCAFF.COM