

# Layher Allround Scaffolding

- ▶ **Faster.**
- ▶ **Stronger.**
- ▶ **Safer.**
- ▶ **More Profitable.**

## Comparison with Kwikstage



Layher® 

More Possibilities. The Scaffolding System.

# Faster. Superior system technology.



# 59%

## 59% Savings in Time

Savings in time from superior system technology: 8 hole rosette, self-securing assembly, automatic right angles, a few basic components, material-saving logical assembly.

Compare the assembly time for a façade scaffold (even greater savings can be made with birdcage scaffolds): These results come from a time trial undertaken by an independent firm of contractors in Australia in January 2005 – see the plan on the adjoining page.

### Comparative Assembly Time

Kwikstage type

Layher Allround Scaffolding



145 mins

60 mins

- ▶ Shorter assembly time
  - ▶ Shorter dismantling time
  - ▶ Lower labour costs
- Save time. Save money.*

## Kwikstage type



## Layher Allround Scaffolding



**Stronger.**  
**Verified high load bearing capacity.**



**42%**  
**42% Less Weight**

Intelligent design using high grade steel results in verified high load-bearing capacity reducing the required material to a minimum.

Permissible loads:

Layher Allround 2.5m deck 7.5kN/m<sup>2</sup>

Kwikstage type 2.4m deck 3.0kN/m<sup>2</sup>

Australian time trial: both trial scaffolds were 24 metres long, 4 metres to the top deck level and with a six metre bridge span. The scaffolds had an external ladder bay at one end and stair access at the other.

### Comparative Total Weight

Kwikstage type



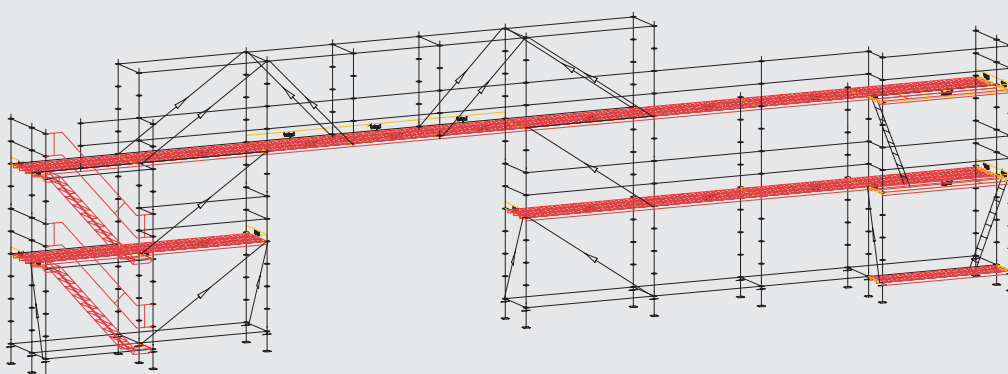
5,210 kg

Layher Allround Scaffolding



3,030 kg

- ▶ Reduce transport costs
  - ▶ Reduce labour costs
  - ▶ To 80m without double standards
- Save time. Save money.**



### Total Weight

Layher Allround 3,030 kg

Kwikstage type 5,210 kg

**Safer.**  
**Certified consistent quality.**



**50%** Lower Maintenance Costs

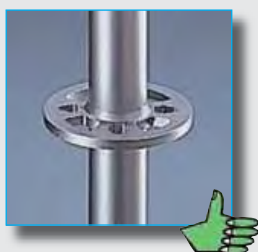
High quality control in production is guaranteed by rigorous audits – both internal and ISO 9001. In addition German governmental agencies carry out regular ongoing quality tests.

High grade steel with superior hot-dip galvanising ensures little maintenance and long economic life.



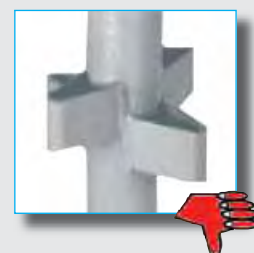
- ▶ WorkCover registered
  - ▶ ISO 9001 TÜV certified
  - ▶ AS/NZS 1576 standard compliant
- Save time. Save money.*

### Layher Allround Scaffolding



Easy to clean flat Allround rosette.

### Kwikstage type



Dirt, cement and other debris accumulate in the pockets and are difficult to remove.

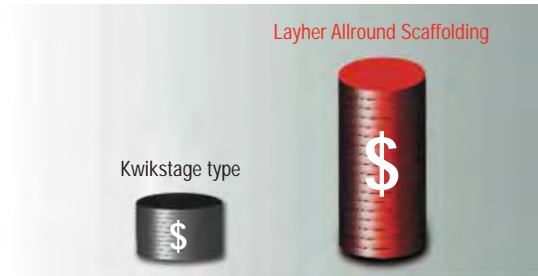
**More Profitable.  
Save Time. Save Money.**



**242% More Profitable**

Lower labour, transport and maintenance costs typically result in the premium you pay for superior German technology being recovered in the first 6 months.

#### Comparative Earnings

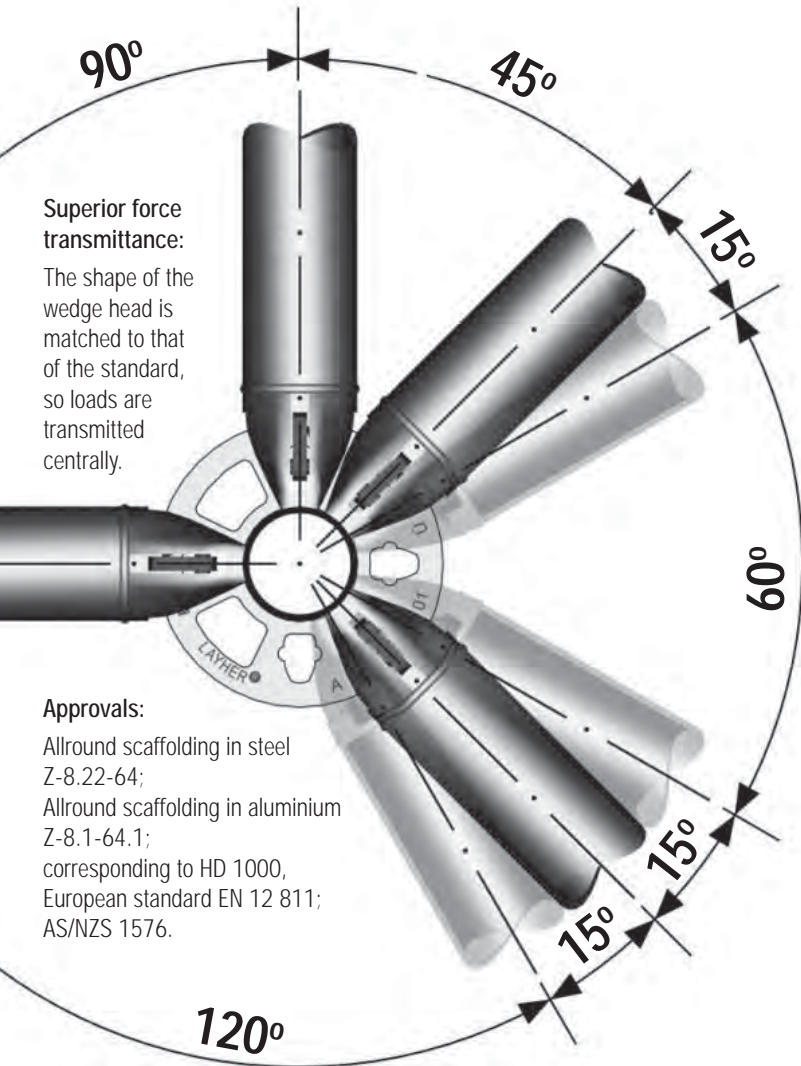


- ▶ 64% lower labour costs
  - ▶ 58% lower transport costs
  - ▶ 50% lower maintenance costs
  - ▶ 242% greater earnings
- Save time. Save money.

**You can expect to earn 242% more profit from Layher Allround than from the equivalent amount of Kwikstage type scaffolding!**

# More Possibilities. The Scaffolding System.

For more than 30 years, Layher Allround scaffolding has been an investment in an optimised and complete system – in steel or aluminium.



**Superior force transmittance:**  
The shape of the wedge head is matched to that of the standard, so loads are transmitted centrally.

**Approvals:**  
Allround scaffolding in steel  
Z-8.22-64;  
Allround scaffolding in aluminium  
Z-8.1-64.1;  
corresponding to HD 1000,  
European standard EN 12 811;  
AS/NZS 1576.

A few basic components – standard, ledger, diagonal brace, and deck – form the basis for almost limitless uses, and there are many additional parts for special solutions within the system.

The function principles of Layher Allround scaffolding are unique:

### Ingenious connection technology

Safe one-man assembly at any height.

Sliding the wedge head over the rosette and inserting the wedge into the opening immediately secures the component...

... and a hammer blow on the wedge transforms the connection from structural assembly to high-strength force transmitting rigidity.

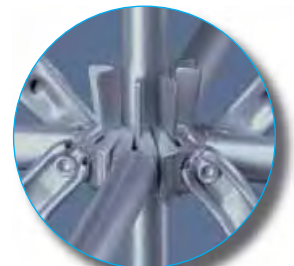
### Superior design

Up to 8 connections can be made on one level – rosettes spaced every 0.5m – to create the structurally ideal Allround joint.

### Built-in assembly speed

4 narrow openings in the rosette automatically centre the ledgers at right angles –  
4 wide openings permit the alignment of ledgers and diagonal braces at the required angles, enabling curved scaffolds.

Assembly of the system is self-explanatory and is quickly learned.

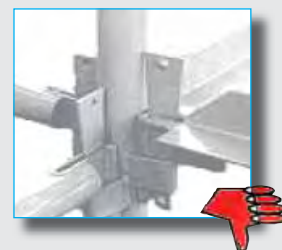


## Layher Allround Scaffolding



At every joint 8 independent connections can be made.  
A maximum of 4 ledgers and 4 diagonal braces can be connected.

## Kwikstage type



The pockets are welded at a 90° angle to one another on the standards – only 4 right angled connections are possible. Round scaffolding, needed particularly in industry and refineries, is impossible.

# Layher Allround Scaffolding. The "Original".



The original  
with the  
red sticker

## Comments from the Australian test team:

### ▶ **Faster.**

"It goes up twice as quick."

### ▶ **Stronger.**

"Heavy duty – it's a lot lighter!"

### ▶ **Safer.**

"One of the best things is that the ladders actually attach to the deck."

### ▶ **More Profitable.**

"A lot more cost effective."



### Layher Allround Scaffolding

### Kwikstage type

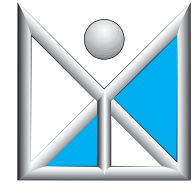


One scaffolder can set up the first level of Allround scaffolding without any problem.



The vertical standards must be held until they are braced against one another by ledgers.

# Layher®



More Possibilities. The Scaffolding System.

## Layher Allround Scaffolding

- 59% Faster
- 42% Lighter
- 29% Fewer components

### Resulting in:

- 64% Lower labour costs
- 58% Lower transport costs
- 50% Lower maintenance costs
- 242% Greater Earnings**

**Save time. Save money.**

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