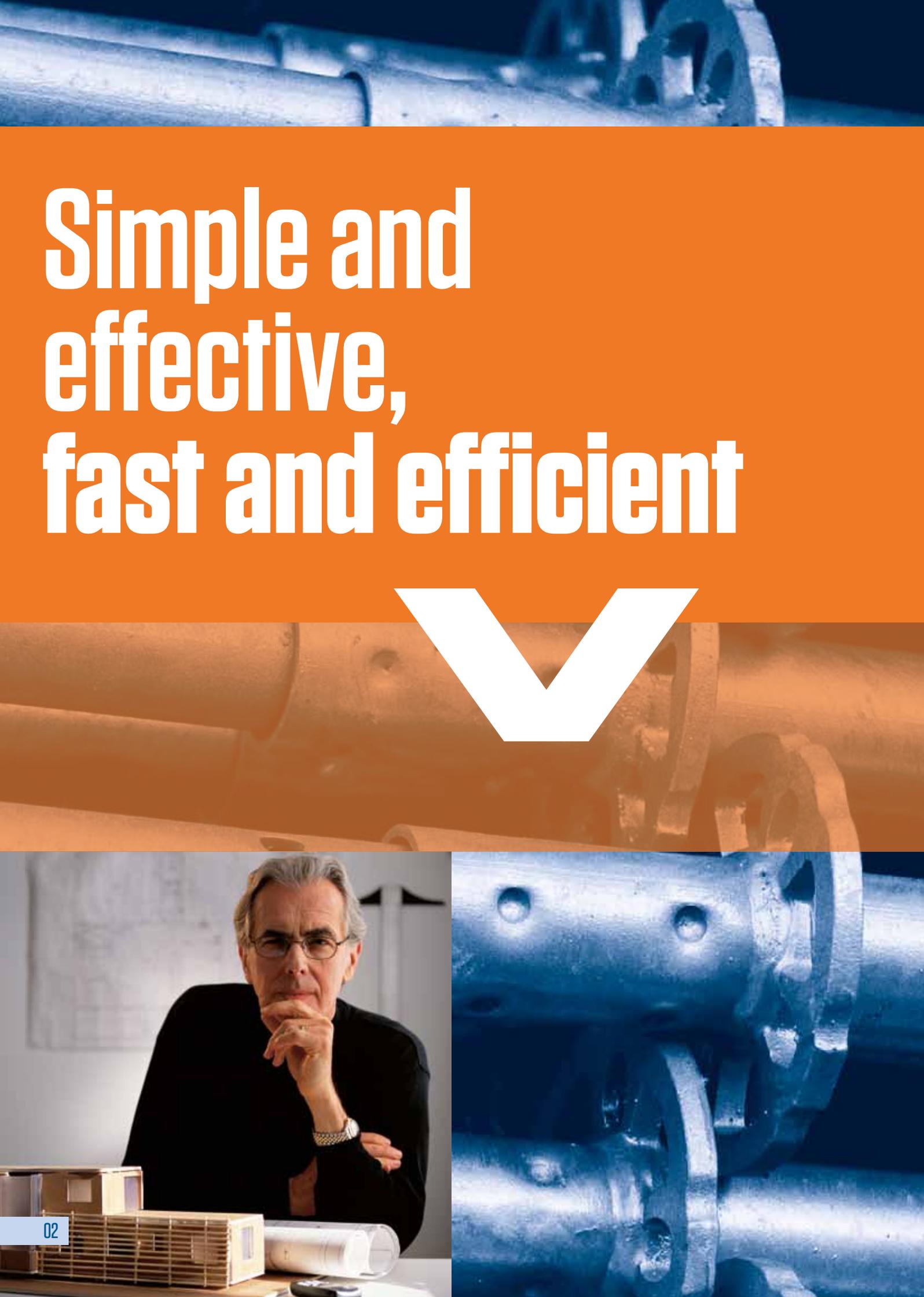


# RINGSCAFF

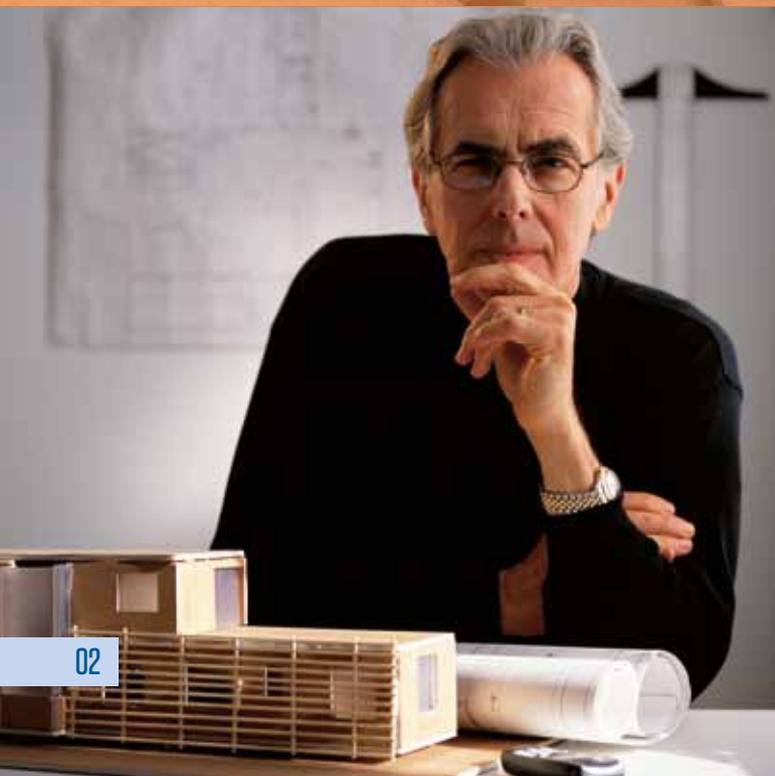
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Modular  
Scaffolding System

 **scafom-rux**



**Simple and  
effective,  
fast and efficient**



A simple and effective system, fast assembly and dismantling, more stable, safe and efficient, flexible in small spaces, impressive in large projects; these are the advantages of RINGSCAFF, the modular scaffolding system from Scafom-rux.

Improved, independently tested, officially certified and also compatible with almost all predecessors of this system. Reliable through and through.

Certified:  
Approval Certificate No. Z-8.22-869  
Compatible:  
Intermixing Approval Nos. Z-8.22-901 and Z-8.22.911

## **RINGSCAFF MODULAR SCAFFOLDING SYSTEM**

- Smart assembly technique
- Few loose components
- Fast assembly and dismantling
- Optimum use of storage and transport capacity
- Stable
- High safety standards
- Indestructible components





Simplicity, reliability, convenience and efficiency are the foundations of the sturdy RINGSCAFF concept. The optimum combination of a limited number of components creates a stable scaffold structure.

The various components are available in a range of sizes making RINGSCAFF compatible with most other comparable systems. This has been objectively proven and certified by tests and research performed by the highly reputed German Institut für Bautechnik (Centre of Competence in Civil Engineering).



# Simplicity, reliability, efficiency

## Assembly is this easy:



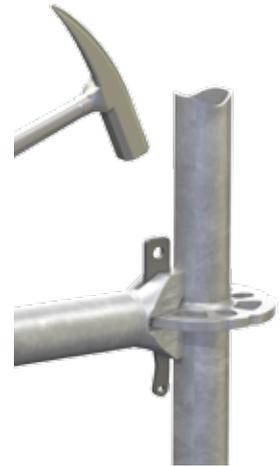
1. Place the ledger or the diagonal in the desired position;



2. Position the wedge in the appropriate opening

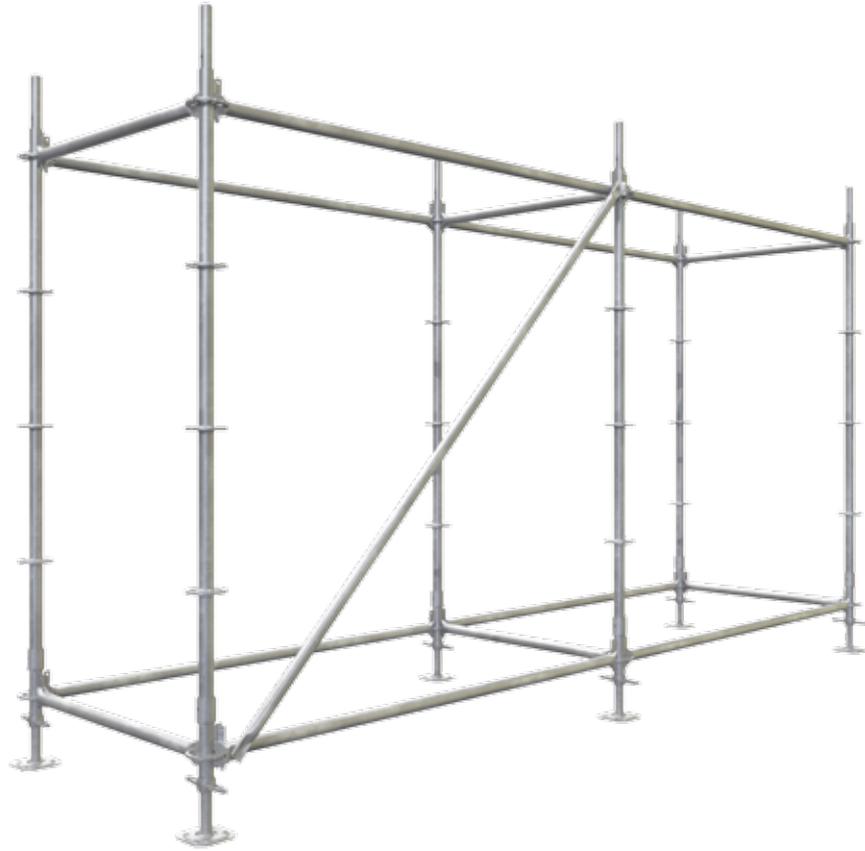
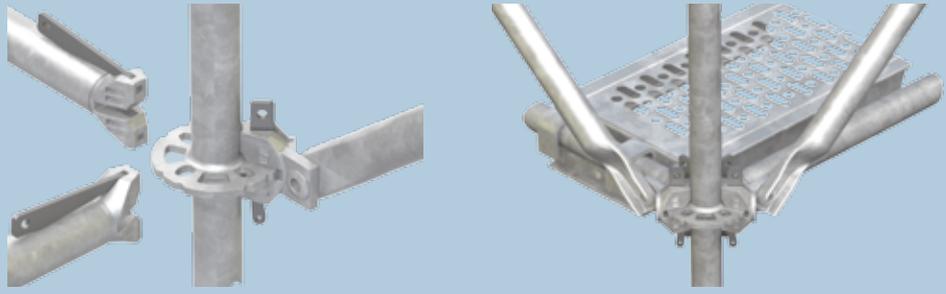


3. Drive the wedge in with a hammer; the ledger and diagonal automatically fall into place.



The modular RINGSCAFF system is characterised by the standardised, fast and simple assembly outlined above. These procedures are continually repeated in the assembly of the scaffold.

In this way, as many as four ledgers and four diagonals can be attached to one ring! This creates a connection point which can bear very heavy loads.



**3 basic components,  
infinite  
possibilities**



Ultra-fast assembly and dismantling.  
Only three standard components form the basis of  
this smart scaffolding system.

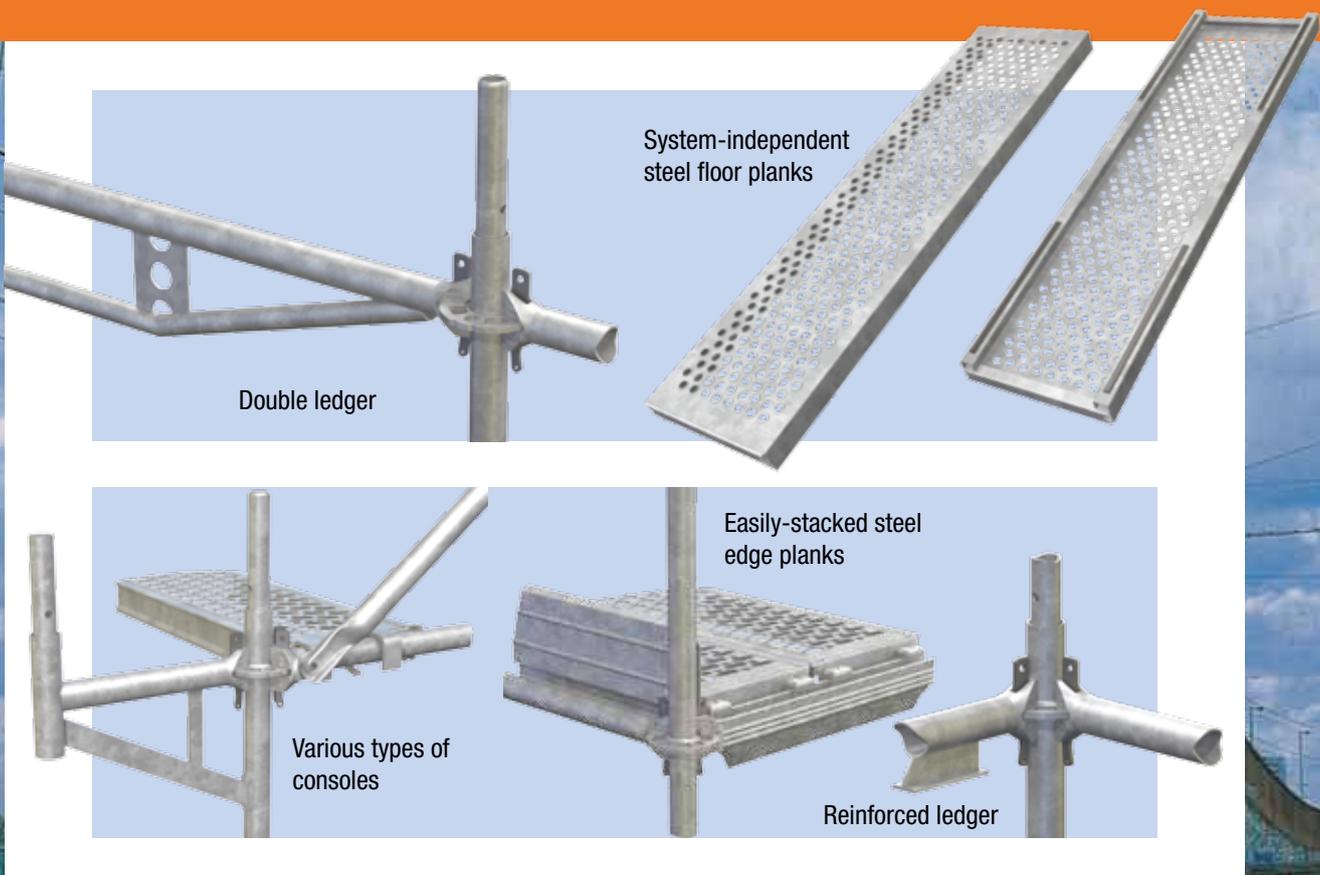
- Standards with breaker plates at two fixed distances (Ring 50 and 54)
- Ledgers with galvanised steel wedge
- Diagonals for a stable structure

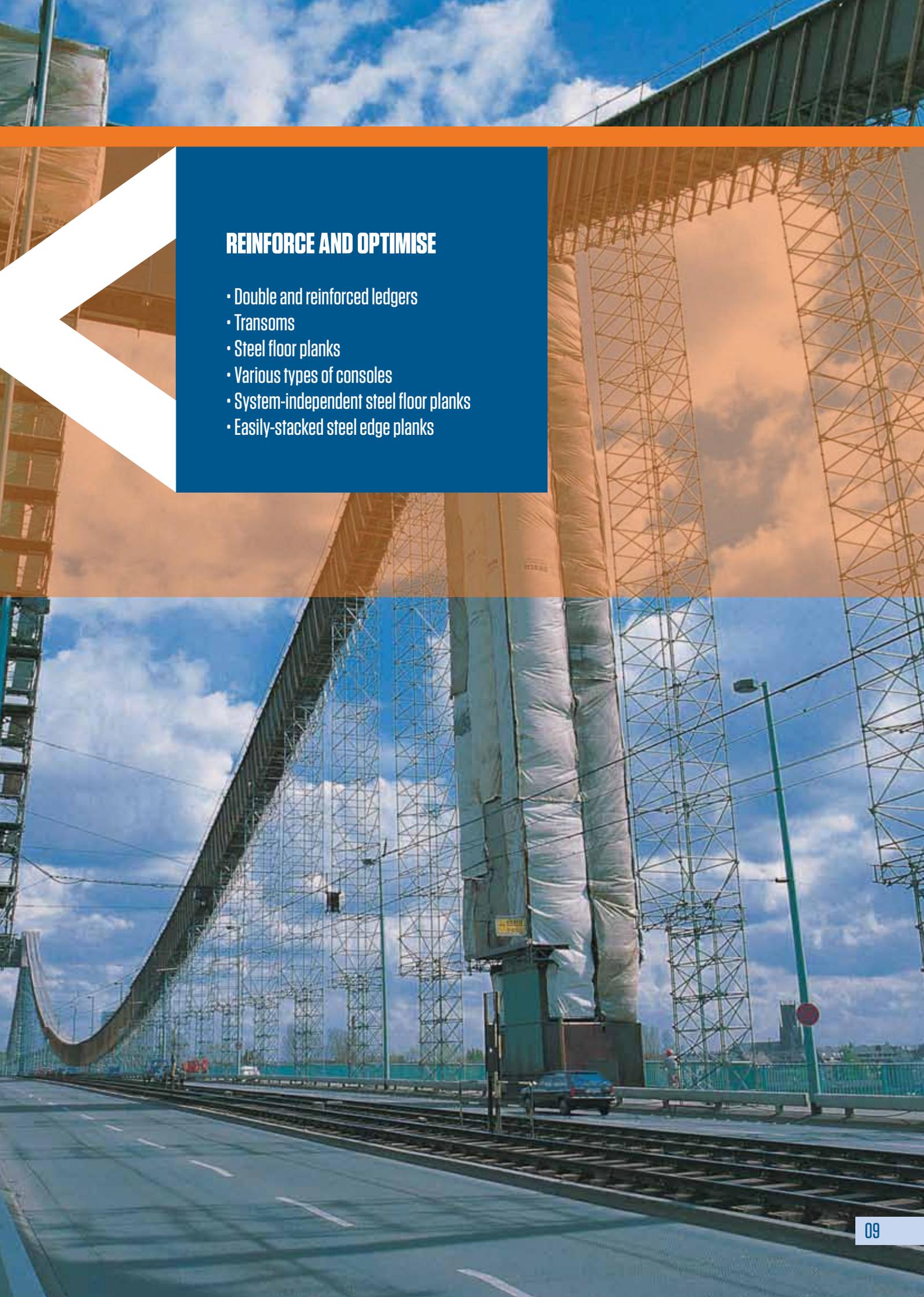
The Ringscaff components are relatively light but still have an extremely good static value.

Scafom-rux supplies the RINGSCAFF system in modules with lengths ranging from 0.73 metre to 3.07 metres. This makes RINGSCAFF fully compatible with similar scaffolding systems. A metric module is also available with lengths up to 3 metres. The distance between the adapters is 50 cm or 54 cm.

Detailed construction instructions and technical specifications can be found in the Instruction Manual (also available from: <http://www.scafom-rux.com/downloads.html>).

# Meets construction industry requirements





## REINFORCE AND OPTIMISE

- Double and reinforced ledgers
- Transoms
- Steel floor planks
- Various types of consoles
- System-independent steel floor planks
- Easily-stacked steel edge planks

Safety comes first; that's why RINGSCAFF has been developed from the start on the basis of principles which are far beyond contemporary standards. As a result, the RINGSCAFF system is characterised by large reserves of load capacity. That's safety, too!

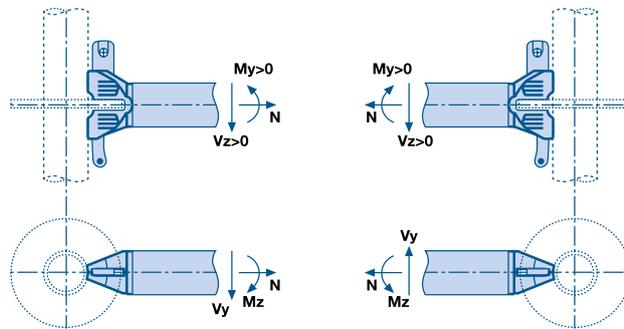
# Check and double check!





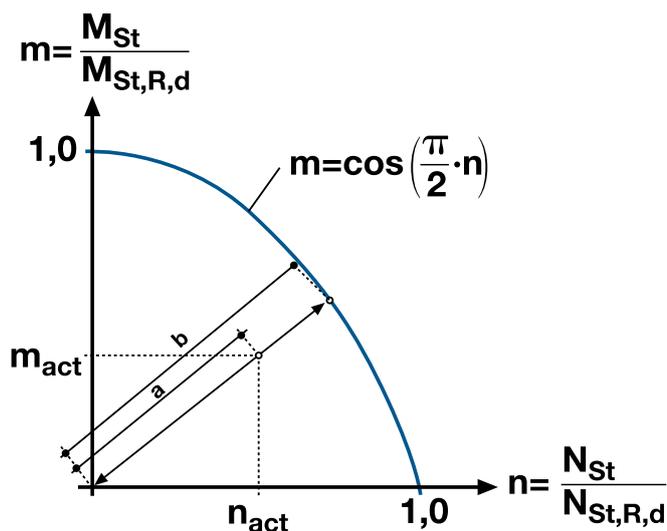
## Look at the figures:

Support and safety are, of course, demonstrated by the figures:



	RINGSCAFF
Bending moments $M_y$ (kNcm)	110,00
Vertical force $V_z$ (kN)	30,80
Bending moments $M_z$ (kNcm)	50,00
Horizontal force $V_y$ (kN)	15,90
Normal load $N$ (kN)	38,50

Section length	RINGSCAFF Pulling / Pressure force (kN)
with 2.00 m diagonals:	
1,57 m	14,90 / 19,50
2,07 m	12,50 / 19,50
2,57 m	10,20 / 19,50
3,07 m	8,40 / 19,50



$m_{act}$  Rate of utilisation compared with the bending moment in an upright tube

$M_{st}$  Bending moment in an upright tube

$M_{St,R,d}$  Load-bearing capacity compared with the bending moment in an upright tube

$$M_{St,R,d} = M_{pl,d} = f_{y,d} \cdot \alpha_{pl} \cdot W_{el} = 175 \text{ kNcm}$$

$n_{act}$  Rate of utilisation compared with the normal force in an upright tube

$N_{st}$  Normal force in an upright tube

$N_{St,R,d}$  Load-bearing capacity compared with normal force in an upright tube

$$N_{St,R,d} = N_{pl,d} = f_{y,d} \cdot A = 132 \text{ kN}$$

## Measurements and tests

Approval certificates issued under no. Z-8.22-869 and approval certificate no. Z-8.22-901 confirming the compatibility of the RINGSCAFF system with other systems.

