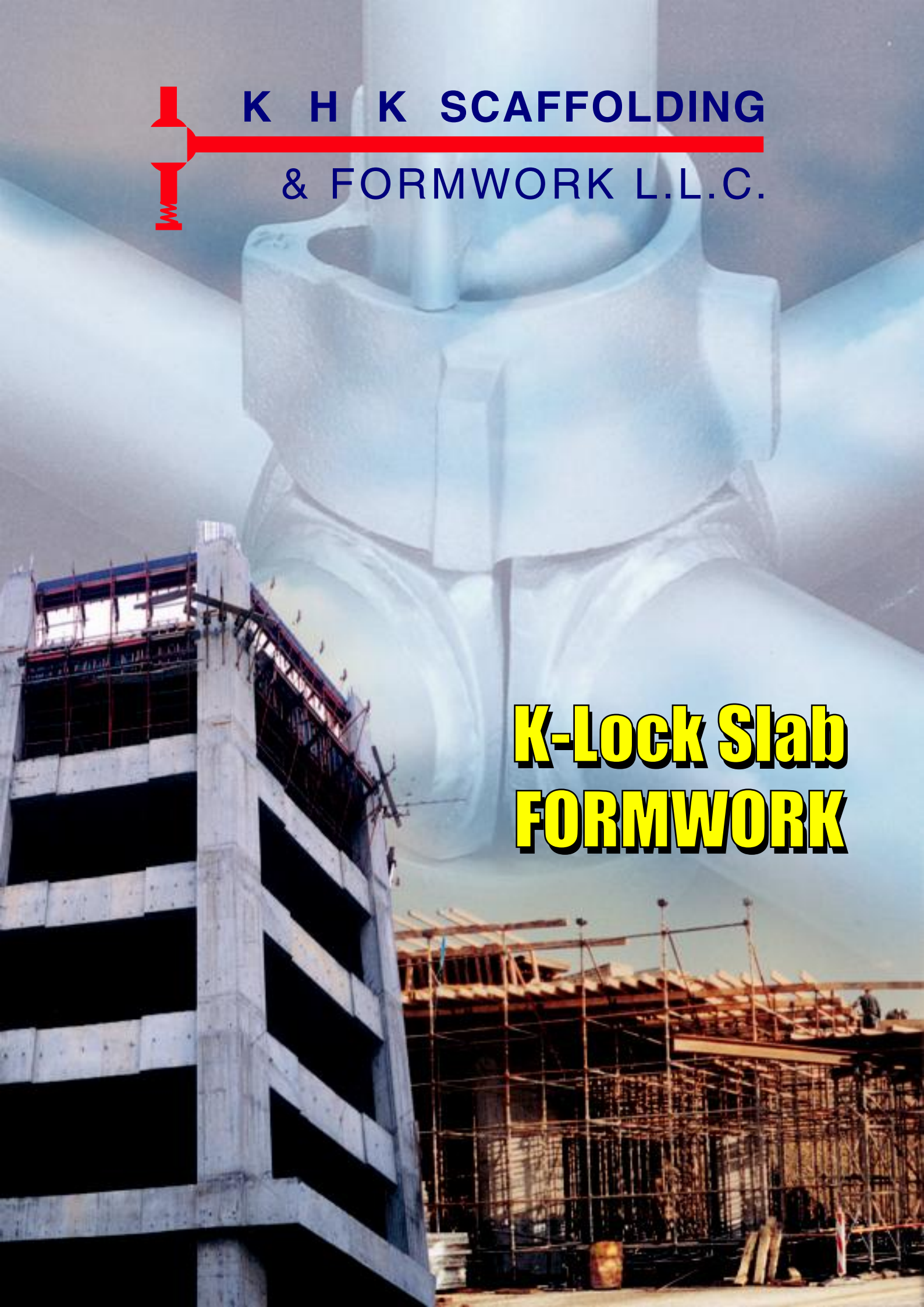




**K H K SCAFFOLDING
& FORMWORK L.L.C.**

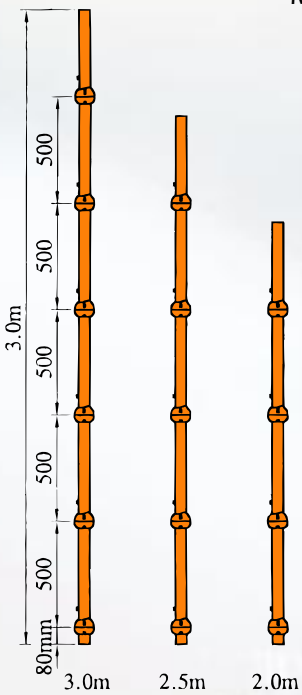
**K-Lock Slab
FORMWORK**



Slab Formwork (K-Lock)

Standards

Maximum led load capacity : 57kN



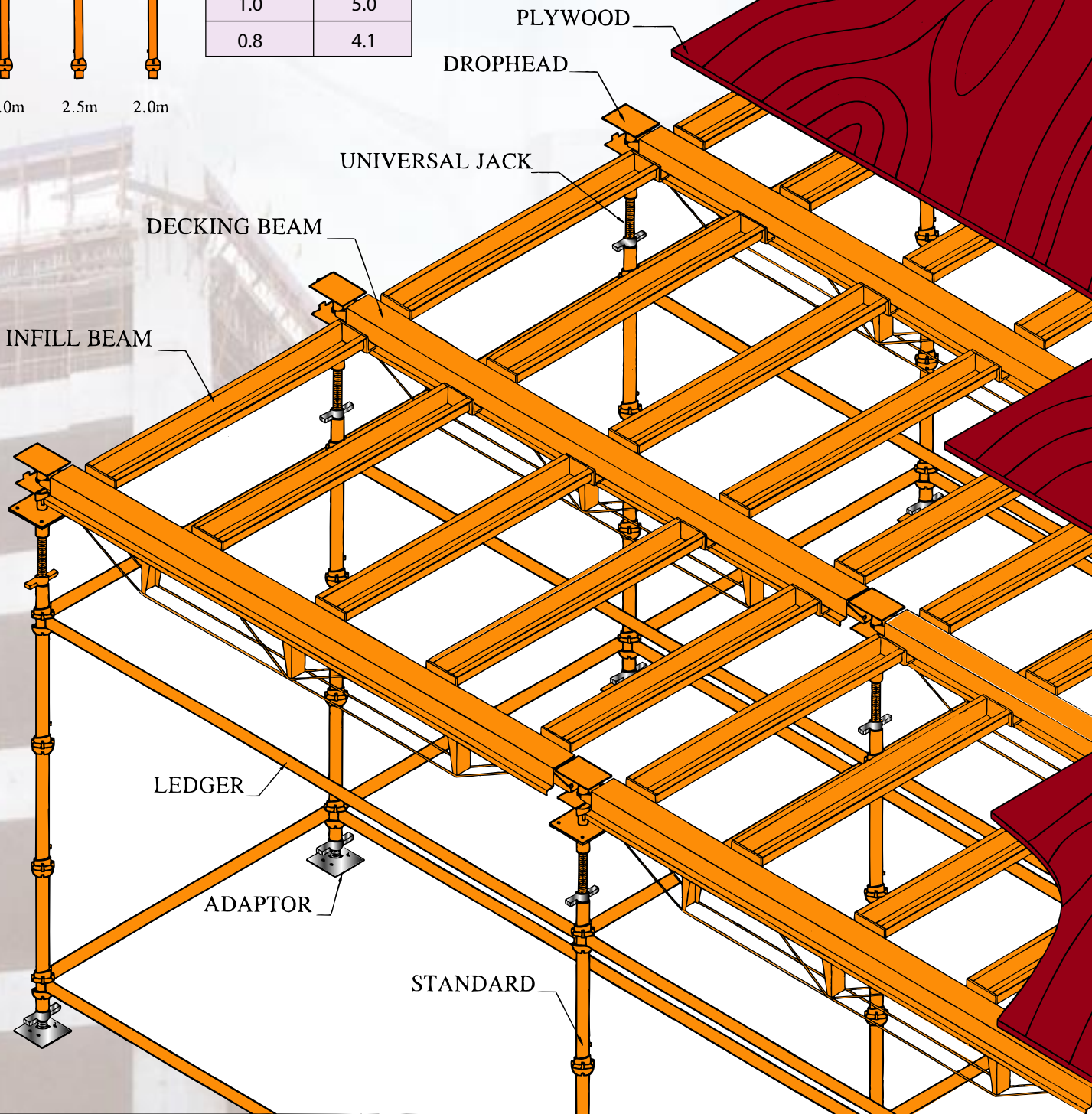
SIZE (m)	WT. (kg)
3.0	14.8
2.8	14.0
2.5	12.4
2.3	11.4
2.0	10.0
1.8	9.0
1.5	7.9
1.3	6.5
1.0	5.0
0.8	4.1

Ledgers

All ledgers have identical forged blade ends, with a minimum of projection to avoid damage.

Other ladger sizes available are

1.3m, 1.2m, 1.0m, 0.9m

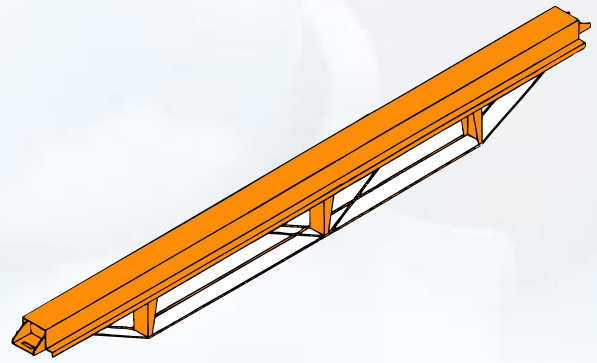


Slab Formwork (K-Lock)

Decking Beams

Including 100mm wide top flange which eliminates the necessity for a plywood infill, so cutting down maintenance cost.

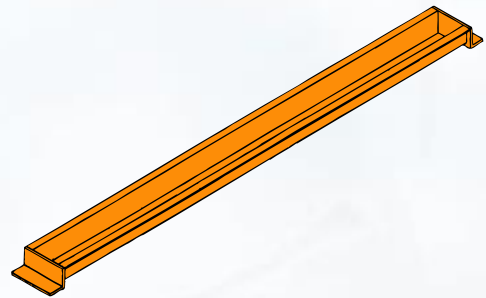
Length (m)	2.5	1.8	1.2
Weight (kg.)	26.4	18.0	11.9



Infill Beams

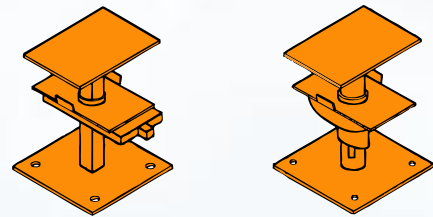
Using to provide skeletal support for plywood decking

Length (m)	1.7	1.5	1.2	0.9
Weight (kg.)	9.1	8.1	6.5	5.0



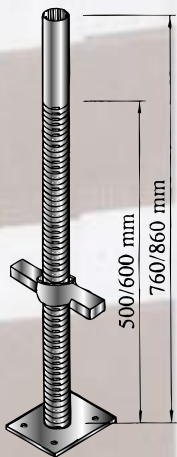
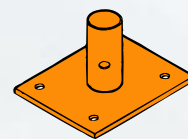
Dropheads

The quick action drophead supplied along with nuts and bolts is designed to fit on standard props or adaptors for cuplock scaffolding. Maximum axial load: 40kN

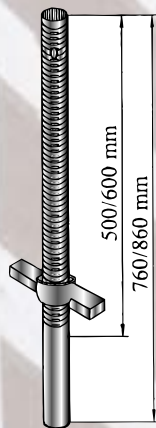


Socket Base (Adaptor)

It provides a base for the universal jack, also connect universal jack to drophead.



BASE JACK



UNIVERSAL JACK



U-HEAD
150X170X5.8
150X200X5.8

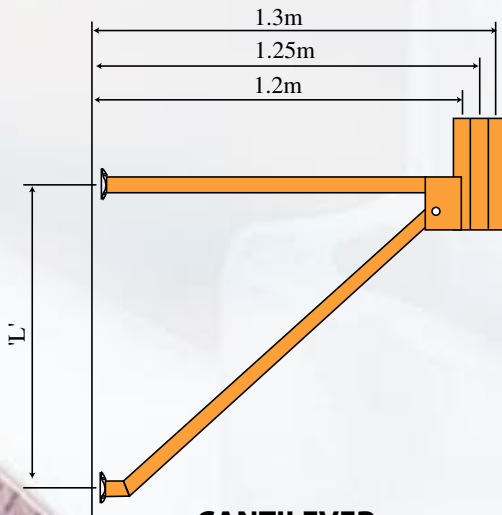


CONNECTING PIN

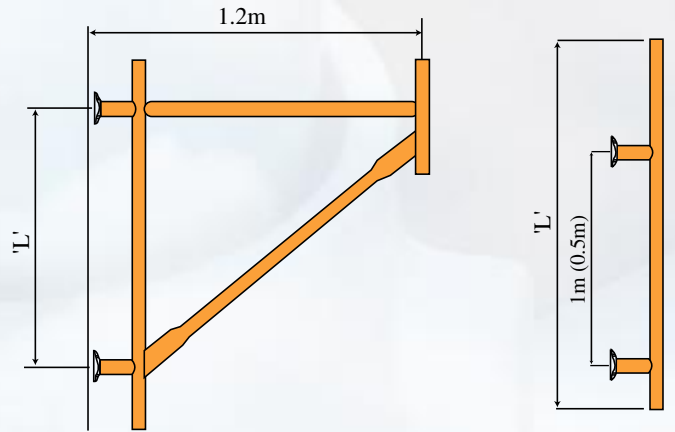


BOLT & NUT

Slab Formwork (K-Lock)



**CANTILEVER
FRAME**
AVAILABLE SIZES:
L: 1.5M L: 1.0M



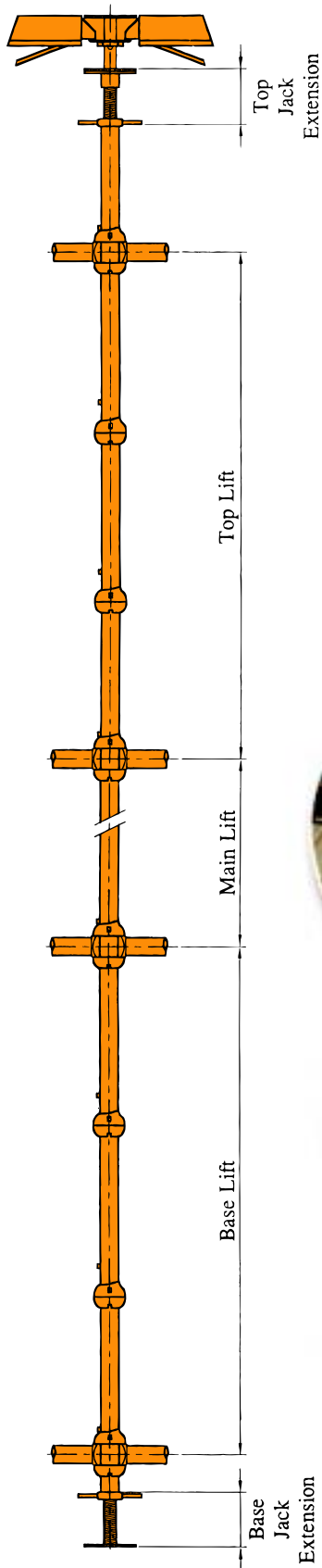
**CANTILEVER
BEAM FRAME**
AVAILABLE SIZES:
L: 1.5M L: 1.0M

**INTERNAL BEAM
BRACKET**
AVAILABLE SIZES:
L: 1.5M L: 1.0M



Slab Formwork (K-Lock)

K-LOCK TECHNICAL DETAILS



PERMISSIBLE LOADS ON BASE COMPONENTS

Vertical axial load up to 57kN. The loadings will vary according to the horizontal loads taken into account and the actual extension of the jack required.

K-LOCK SUPPORT GUIDE

For standards at the beginning and end of a row, the loading figures for the top and base lifts have to be reduced by 5%, except if jack bracing is used. This also applies to the use of K-Lock in towers and single bays.

At least two lacing levels have to be used on each standard. When calculating horizontal forces, include wind forces, the effect of eccentricity, and out of plumb (in accordance with British Standard 5975).

Take care that the structure is stable in the unloaded condition, especially if towers or narrow structures are used.

All standards should be erected plumb.

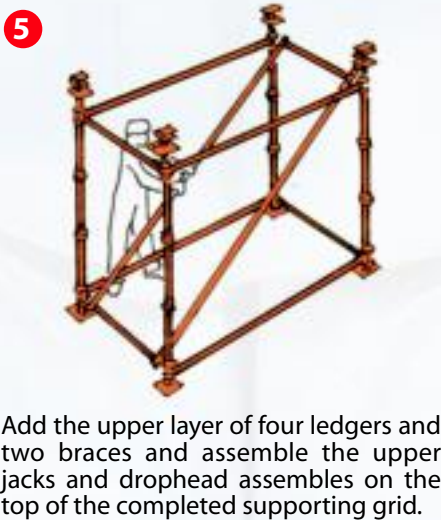
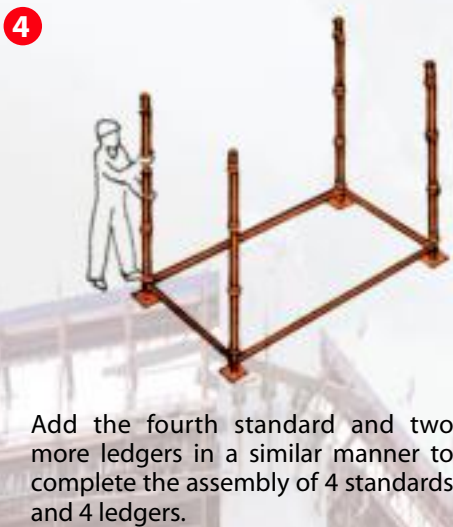
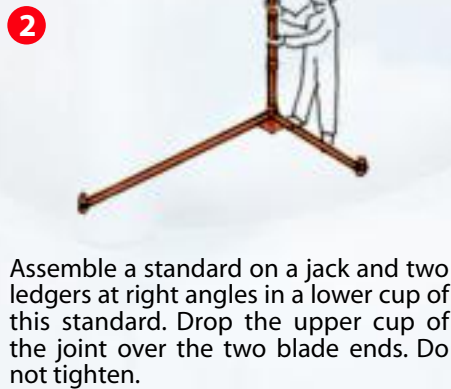
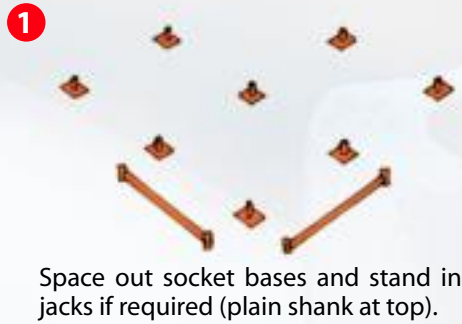
Horizontal forces should be distributed over all standards as evenly as possible.

Sound footings should be provided to prevent settlement of the standards.



Assembly of decking on k-lock scaffolding

Erection Sequence (for 4 standards and 2 beams)



Adjacent supporting grids may be added in a similar way and primary beams and infills added until the required area is completed.

DISMANTLING PROCEDURE

Dismantling follows the same procedure whether the techniques of 'early striking' are followed or not.

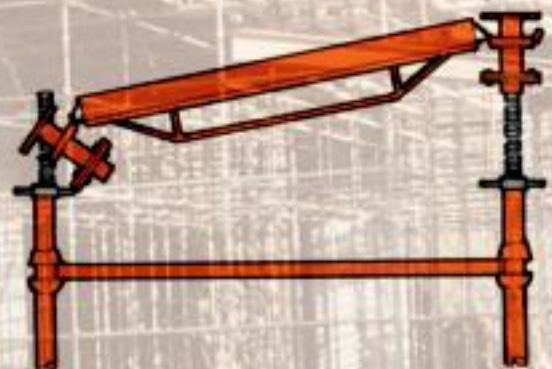
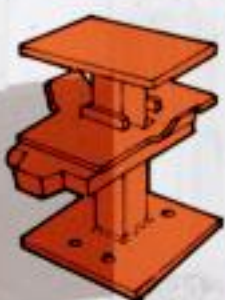
The advantages of early striking is that the primary beams and infills may be removed while the concrete soffit remains supported and completely undisturbed during it's curing period. The primary beams and infills may therefore be re-used this time, thus gaining further concrete production with only an additional set of supporting components.

Primary beams and infills may be removed by striking the drophead wedge. While the primary head of the drophead remains in contact with the concrete, the striking of the

wedge allows the beams to drop about 115mm only giving sufficient clearance for the removal of the infills.

Whether the advantages of 'early striking' are taken or not, complete safety in dismantling operations is ensured as primary beams and infills cannot fall to the ground but after striking, must be removed manually.

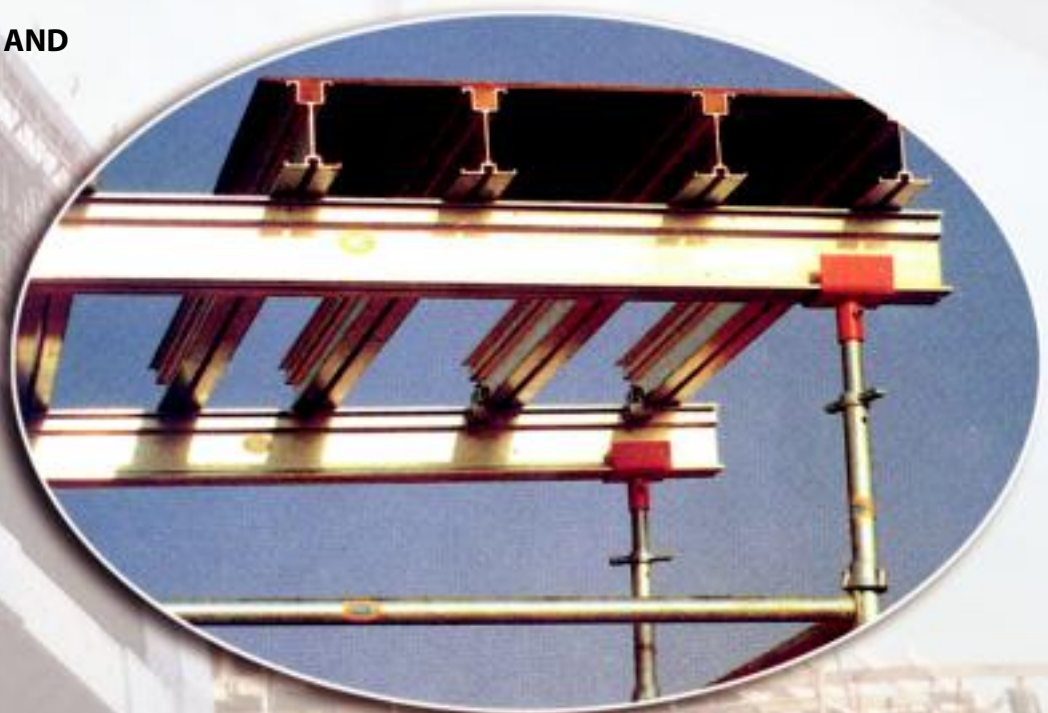
To assemble Decking on K-Lock Scaffolding remove the drophead assembly from the jack at one end and connect it to the beam. The completed beam with its drophead can now be raised and dropped over the jack.



Aluminium Beam System



**K-LOCK COMBINED WITH
ALUMINIUM BEAM FORMS
STRONG, LIGHTWEIGHT,
ECONOMICAL SYSTEM
IT ALSO REDUCES WASTE AND
SITE LABOUR COSTS**



K 6 BEAM



**BENDING MOMENT EXCEEDS 6 KNM
SIZE 150 x 80 MM
WEIGHT ONLY 3.162 KG /
M STANDARD LENGTHS UPTO 7 METRES**

K 12 BEAM



**BENDING MOMENT EXCEEDS 12 KNM
SIZE 165 x 95 MM
WEIGHT ONLY 4.750 KG / M
(DESIGNED AND PRODUCED IN GCC)**



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