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The Formwork Experts.

Alu Box Beam

The super strong, lightweight aluminium beam

www.doka-me.com

The super strong, lightweight aluminium beam

The innovative cross-section of the Alu box beam provides a high load capacity, permitting optimised equipment usage on site. The integrated nailing insert and continuous T-slot provide a versatile system component that is adaptable to various jobsite requirements.

- Lightweight primary beam with high load capacity for shoring application
- Technical optimisation of Dokaflex grid resulting in less floor props required
- High durability due to superior manufacturing and material quality

High load capacity

achieved by innovative beam cross-section

- Permitted shear force 27.3 kN*
- Permitted bending moment 16.8 kNm*
- Weight 6.3 kg/m w/o nail insert
- Height of beam 17.5 cm

*In accordance with EN1999-1

Long lifespan

thanks to high manufacturing and material quality

- Very long lifetime due to the robust aluminium cross section
- Option to integrate a nailing insert made of recycled plastic, allows for easy fixation of plywood

Alu box beam without nailing insert

Art. number	Description	Weight (kg)
582361000	Alu box beam 3.90 m NN	24.5
582362000	Alu box beam 4.90 m NN	30.8
582363000	Alu box beam 5.90 m NN	37.0

Alu box beam with nailing insert

582358000	Alu box beam 3.90 m	29.3
582359000	Alu box beam 4.90 m	36.8
582360000	Alu box beam 5.90 m	44.3

Cut costs

by reducing the number of components needed

- Up to 1/3 fewer props utilising increased primary beam spacing in Dokaflex system
- Up to 50% fewer primary beams on top of shoring towers, thanks to a high load capacity
- Reduction in components leads to optimisation of site logistics and transport costs



Intermediate prop with Alu box beam supporting head

