

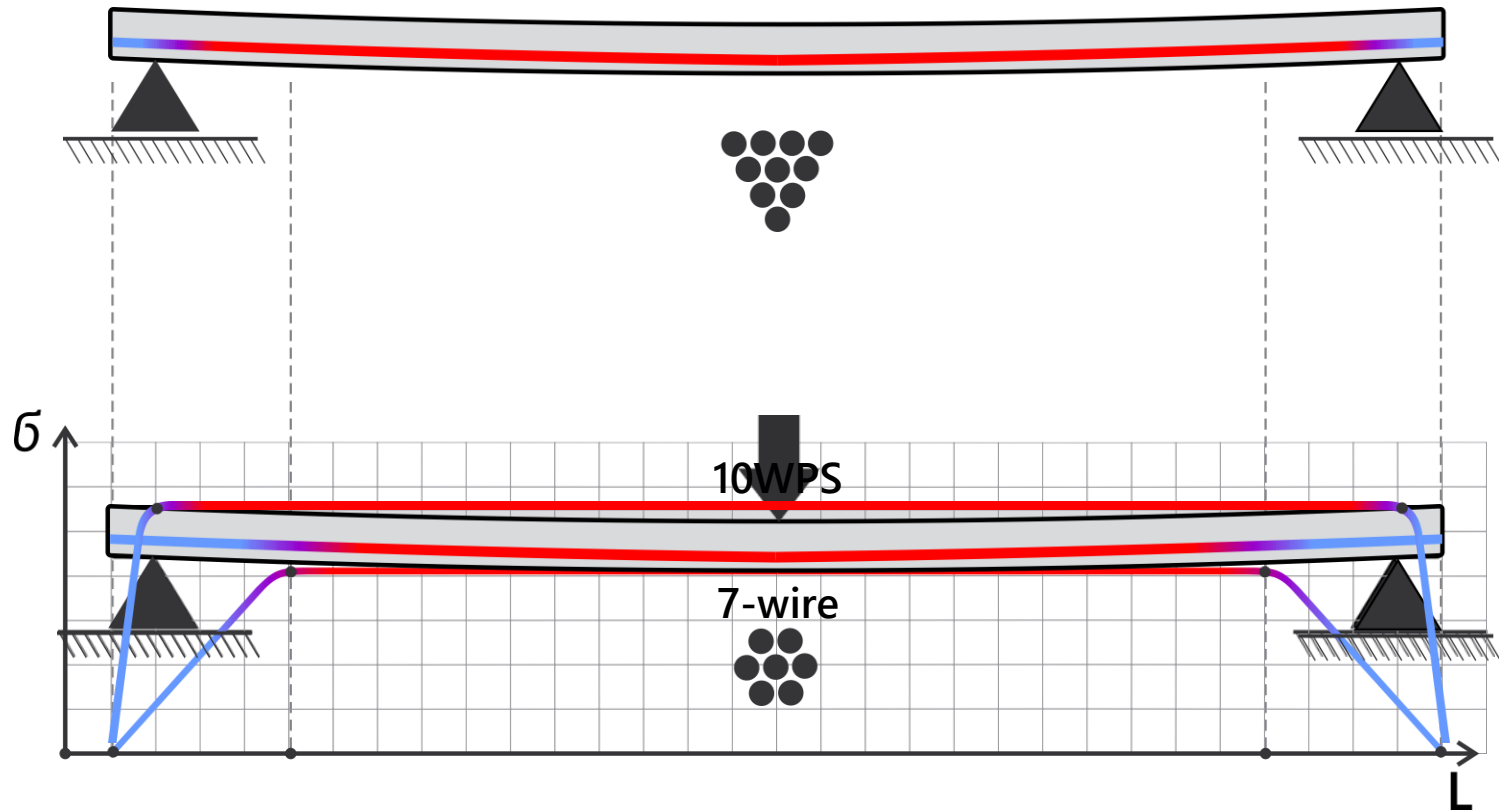


**ECONOMY AND ENVIRONMENTAL  
EFFECT IN HOLLOWCORE SLAB  
MANUFACTURE BY INCREASED  
END ZONES' COMPRESSION IN  
SLABS WITH 10-WIRE PC STRANDS**



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Ph.D.

**for IPHA Annual Conference  
in Soenderborg**

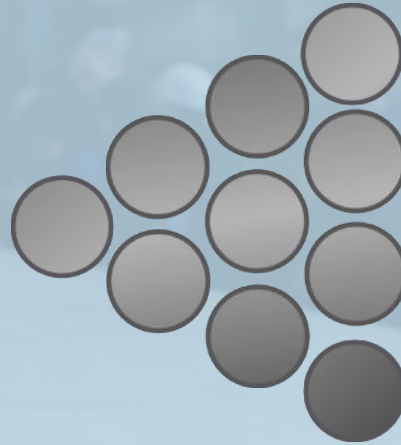




Length - **7.8 m**  
Width - **1.2 m**  
Height - **0.22 m**  
Class - **C40**



10W 53,5 mm<sup>2</sup>  
**-42%**



**12 trihedral 10-wire PC strands (9.3 mm)**  
**Nominal load capacity 1250 kg/m<sup>2</sup>**





# Standard tests:



rigidity

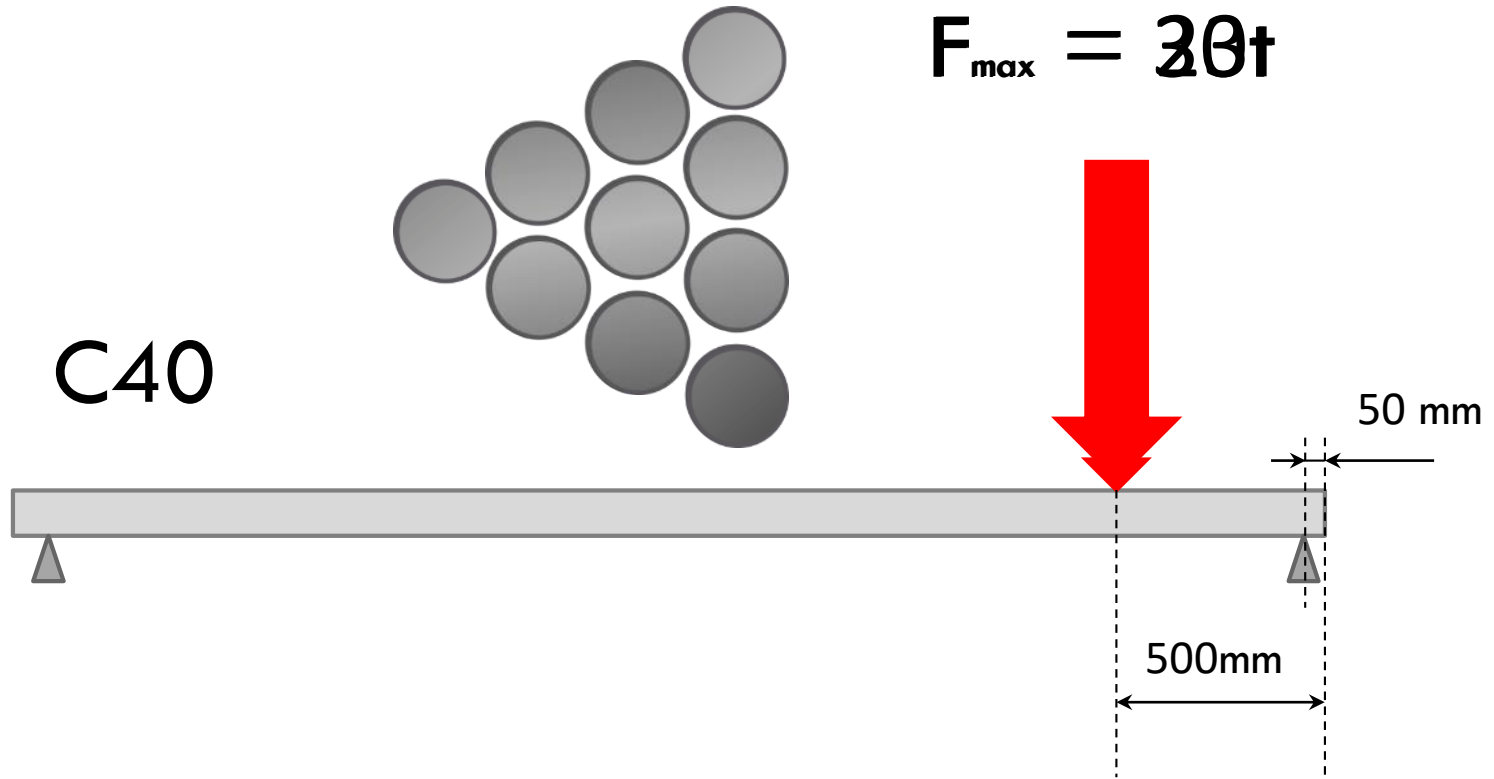


crack resistance



load capacity







# ARMASTEEL

decrease of prestressing steel consumption

10W estimate your slabs with 10W!  
increase of shear capacity

=

new possibilities in reinforced concrete elements including hollowcore slabs

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