## Contest of two deep reinforced RC slab strips

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**ŤU**Delft



adb2 Approximation instead of ane de boer; 18-5-2019

## Dia 2

## Shear capacity of members without shear reinforcement – MC2010

• General expression:  $V_{Rd,c} = k_v \frac{\sqrt{f_{ck}}}{\gamma_c} Zb_w$ 

• LoA I: 
$$k_v = \frac{180}{1000 + 1.25z}$$

• LoA II: 
$$k_v = \frac{0.4}{1+1500\varepsilon_x} \frac{1300}{1000+k_{do}z}$$

• Can nonlinear FEM become LoA III or LoA IV ?

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	FEI	M Guideline Re	ports
		Rijkowaterstaat Ministerie van Infrastructuur en Milieu	Rijkswaterstraat Rijkswaterstraat Rijkswaterstraat Antiserie van hejnerratuur en Nillee
	Rijks	Rijkswaterstaat Technisch Document (RTD) Validation of the Guidelines for Nonlinear Finite Element Analysis of Concrete Structures	Rijkswaterstaat Technisch Document (RTD) Validation of the Guidelines for Nonlinear Finite Element Analysis of Concrete Structures
	Doc. Vers Stati Date	Part: Reinforced beams Doc.mr.: RTD 1016-3A:2017 Versie: 1.0 Status: Final Datum: 15 June 2017	Part: Review of results Doc.nr: RTD 1016-2:2017 Versie: 1.0 Status: Final Datum: 15 June 2017
Dent		Water Wegen Werken Rijkswatersta	Watar. Wegen. Werken. Rijkswaterstaat





































Dia 21	
adb3	include the two figures of the aci special edition; I will send you both figures ane de boer; 18-5-2019
Dia 22	

adb4 reinforcement two layers are simply welded to each other ane de boer; 18-5-2019







































































