

PL5

Continuous Plates IAW Piper/Martens

Calculation and design of one-axis, two-axis, single-field and continuous plates.

Standards

- DIN 1045 07/88
- DIN 1045-1:2001/2008
- EN 1992-1-1
- DIN EN-1992-1-1
- ÖNORM EN-1992-1-1

Basic data	Dimensions	Linka	Wall open	Reinfor	Wall th.	Edge loads	Single l.	Line l.	Comments
Standard loads									
permanent load g	6,50	kN/m2	Concr: C 20/25		Steel: BSt 500 MA				
variable load qk =	2,80	kN/m2			<input type="radio"/> reduced <input checked="" type="radio"/> q=g+p con				
Std. wall thickness =	0,0	cm	<input type="checkbox"/> Consider dead weight automatically with gE = slab thckn. [m] x 25 [kN/m3]						
Std. ceiling thickness =	20,0	cm							
Standard rebars location									
top dt =	2,0	cm	Output: <input checked="" type="radio"/> gk + qk separated						
bottom dbmin =	2,0	cm	<input type="radio"/> gk + qk combined						
bottom dbmax =	4,0	cm							
Standard: DIN 1045-1:2001									
<input checked="" type="checkbox"/> Consider the minimum reinforcement for flexural members <input checked="" type="checkbox"/> respect the limit $k_x < 0.45$ <input type="checkbox"/> Stress-strain curve of steel with horizontal branch									

