

Stålbjelkebru med H-bjelker - betongdekke

Forutsetninger

Tabellene gjelder for landbruksvegbru type nr. 2 med betongdekke, maks totalt 350mm tykkelse inkl ekstra slitelag. Maks dekkebredde på 4,6 meter iht. typetegning. K02-1. Gjelder for to stålbjelker i cc avstander mellom 2,5 og 2,9 m, forutsatt gaffellagret og avstivet mot vipping. Det er ikke regnet med samvirke mellom stål og betong. Betong kun som dødvekt oppå, med halve dekkevekten til hver bjelke.

Stålkvalitet:		S235																	
Bjelketype		HExxxA																	
SPENN, m	2,0	3,0	4,0	5,0	6,0	7,0	8,0	9,0	10,0	11,0	12,0	13,0	14,0	15,0	16,0	17,0	18,0	19,0	20,0
BK10	HE220A	HE260A	HE300A	HE360A	HE400A	HE450A	HE500A	HE550A	HE600A	HE650A	HE700A	HE800A	HE900A	HE900A	HE1000	*	*	*	*
BK8T	HE200A	HE240A	HE280A	HE300A	HE340A	HE400A	HE450A	HE500A	HE600A	HE650A	HE700A	HE800A	HE800A	HE900A	HE900A	HE1000A	*	*	*
BK8	HE200A	HE240A	HE260A	HE300A	HE340A	HE400A	HE450A	HE500A	HE550A	HE600A	HE650A	HE700A	HE800A	HE800A	HE900A	HE900A	HE1000A	*	*

Stålkvalitet:		S235																	
Bjelketype		HExxxB																	
SPENN, m	2,0	3,0	4,0	5,0	6,0	7,0	8,0	9,0	10,0	11,0	12,0	13,0	14,0	15,0	16,0	17,0	18,0	19,0	20,0
BK10	HE200B	HE240B	HE280B	HE320B	HE340B	HE400B	HE450B	HE500B	HE550B	HE600B	HE650B	HE700B	HE800B	HE900B	HE900B	HE1000B	HE1000B	*	*
BK8T	HE180B	HE220B	HE240B	HE280B	HE300B	HE360B	HE450B	HE450B	HE500B	HE550B	HE600B	HE650B	HE700B	HE800B	HE900B	HE900B	HE1000B	HE1000B	*
BK8	HE180B	HE220B	HE240B	HE280B	HE300B	HE340B	HE400B	HE450B	HE500B	HE550B	HE600B	HE650B	HE700B	HE800B	HE800B	HE800B	HE900B	HE1000B	HE1000B

Stålkvalitet:		S355																	
Bjelketype		HExxxA																	
SPENN, m	2,0	3,0	4,0	5,0	6,0	7,0	8,0	9,0	10,0	11,0	12,0	13,0	14,0	15,0	16,0	17,0	18,0	19,0	20,0
BK10	HE200A	HE220A	HE260A	HE300A	HE320A	HE360A	HE400A	HE450A	HE500A	HE550A	HE550A	HE600A	HE650A	HE700A	HE800A	HE800A	HE900A	HE900A	HE1000A
BK8T	HE180A	HE220A	HE240A	HE260A	HE300A	HE320A	HE360A	HE450A	HE450A	HE500A	HE550A	HE600A	HE600A	HE650A	HE700A	HE800A	HE800A	HE900A	HE900A
BK8	HE180A	HE220A	HE240A	HE260A	HE300A	HE320A	HE340A	HE400A	HE450A	HE450A	HE500A	HE550A	HE600A	HE650A	HE650A	HE700A	HE800A	HE800A	HE900A

Stålkvalitet:		S355																	
Bjelketype		HExxxB																	
SPENN, m	2,0	3,0	4,0	5,0	6,0	7,0	8,0	9,0	10,0	11,0	12,0	13,0	14,0	15,0	16,0	17,0	18,0	19,0	20,0
BK10	HE180B	HE200B	HE240B	HE260B	HE300B	HE320B	HE360B	HE400B	HE450B	HE500B	HE500B	HE550B	HE600B	HE650B	HE700B	HE800B	HE800B	HE900B	HE900B
BK8T	HE160B	HE180B	HE200B	HE240B	HE260B	HE300B	HE340B	HE360B	HE400B	HE450B	HE500B	HE500B	HE550B	HE600B	HE650B	HE700B	HE800B	HE800B	HE900B
BK8	HE160B	HE180B	HE200B	HE240B	HE260B	HE280B	HE300B	HE340B	HE400B	HE450B	HE450B	HE500B	HE550B	HE550B	HE600	HE650B	HE700B	HE800B	HE800B

Forutsetninger*

Ved prosjektering av nye bruer gjelder Typetegning 2. Tabellen under gjengir nødvendige dimensjoner for å oppfylle lastkrav iht. HB 185 2009 utgave.

Ved oddetalls lengder skal høyere dimensjonering alltid benyttes.

Stålkvalitet:		S355									
Bjelketype		HExxxB og HExxxA									
SPENN, m	2,0	4,0	6,0	8,0	10,0	12,0	14,0	16,0	18,0	20,0	
HExxxA:				HE450A	HE500A	HE600A	HE800A	HE900A	HE1000A		
HExxxB:				HE400B	HE500B	HE600B	HE700B	HE800B	HE900B	HE1000B	

*Kilde: Generelle data for landbruksveibru type 2

Oppdatert 2020 -SWEKO

Bjelke-tabellene HE-B og HE-A viser teknisk data om bjelkene. Benytt disse for å finne frem til hvilken bjelke du har for så å gå inn i riktig tabell for å se hvilken bruksklasse bjelkene faller inn under. Husk at også brukar og brudekke/bruplate må tas inn i vurderinga for å kunne estimere bruksklasse.