

**Maximum Bar Spacing in a Single Layer of Reinforcement (mm)  
According to ACI Code**

$f_y$ (MPa)	Clear Cover ( $c_c$ )				
	75	50	40	20	13
280	385	445	470	520	540
350	270	335	360	410	425
420	195	255	280	330	350

**Minimum Beam Width (mm) According to ACI Code**

$c_c = 40$ mm $\phi_{str.} = 10$ mm							
$d_b$ (mm)	Number of Bars in Single Layer of Reinforcement						
	2	3	4	5	6	7	8
6	150	200	200	250	300	300	350
8	150	200	250	250	300	350	350
10	150	200	250	250	300	350	400
12	150	200	250	300	300	350	400
14	200	200	250	300	350	350	400
16	200	200	250	300	350	400	450
18	200	250	250	300	350	400	450
20	200	250	300	300	350	400	450
22	200	250	300	350	400	450	500
25	200	250	300	350	400	450	500
28	200	250	300	400	450	500	550
30	200	250	350	400	450	500	550
32	200	300	350	400	500	550	600
36	250	300	400	450	500	600	650
40	250	300	400	500	550	650	700
45	250	350	450	550	600	700	800

**Note: Values were rounded up to the nearest 50 mm**